

**Experiment Number:** 07062 - 02

**Test Type:** 30-day

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**E12: ANIMAL HISTORY**

1020 Long Multiwalled Carbon Nanotube

**CAS Number:** L-MWNT-1020

**Date Report Requested:** 06/05/2012

**Time Report Requested:** 12:17:10

**First Dose M/F:** 05/30/11 / 05/30/11

**Lab:** BNW

**NTP Study Number:** C07062  
**Lock Date:** 03/30/2012  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.6.0.0\_007  
**PWG Approval Date:** NONE

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

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<b>CAGE: 1</b>		<b>SEX: MALE</b>		<b>TRT#: 1</b>		<b>DOSE: Control</b>		
<b>ANIMAL ID: 1</b>								
DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:17:36	22.8			
9	06/07/11	5062		06:14:25	25.4		06:14:28	Unremarkable
15	06/13/11	5062		06:19:37	26.5		06:19:38	Unremarkable
22	06/20/11	5062		06:15:35	27.3		06:15:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:02	26.6			

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Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

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<b>CAGE: 1</b>		<b>SEX: MALE</b>		<b>TRT#: 1</b>		<b>DOSE: Control</b>		
<b>ANIMAL ID: 2</b>								
DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:17:51	22.2			
9	06/07/11	5062		06:14:39	23.8		06:14:42	Unremarkable
15	06/13/11	5062		06:19:53	24.9		06:19:54	Unremarkable
22	06/20/11	5062		06:15:56	26.1		06:15:57	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:02	27.3			

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Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

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<b>CAGE: 1</b>		<b>SEX: MALE</b>		<b>TRT#: 1</b>		<b>DOSE: Control</b>		
<b>ANIMAL ID: 3</b>								
DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:18:13	22.1			
9	06/07/11	5062		06:14:54	24.3		06:14:55	Unremarkable
15	06/13/11	5062		06:20:04	24.8		06:20:04	Unremarkable
22	06/20/11	5062		06:16:15	25.3		06:16:16	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:16:10	26.3		06:16:10	Unremarkable

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Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

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<b>CAGE: 1</b>		<b>SEX: MALE</b>		<b>TRT#: 1</b>		<b>DOSE: Control</b>		
<b>ANIMAL ID: 4</b>								
DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:18:25	23.5			
9	06/07/11	5062		06:15:09	27.0		06:15:12	Unremarkable
15	06/13/11	5062		06:20:14	26.9		06:20:14	Unremarkable
22	06/20/11	5062		06:16:30	27.6		06:16:30	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		06:16:42	28.3		06:16:42	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 1  
ANIMAL ID: 5

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:18:35	22.1			
9	06/07/11	5062		06:15:28	24.5		06:15:29	Unremarkable
15	06/13/11	5062		06:20:26	25.0		06:20:27	Unremarkable
22	06/20/11	5062		06:16:52	26.3		06:16:52	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	38.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 2  
ANIMAL ID: 6

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:18:48	21.4			
9	06/07/11	5062		06:15:43	23.6		06:15:44	Unremarkable
15	06/13/11	5062		06:20:39	24.1		06:20:39	Unremarkable
22	06/20/11	5062		06:17:13	25.3		06:17:14	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:02	29.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 2  
ANIMAL ID: 7

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:19:02	25.4			
9	06/07/11	5062		06:16:03	27.9		06:16:04	Unremarkable
15	06/13/11	5062		06:20:54	29.5		06:20:54	Unremarkable
22	06/20/11	5062		06:17:37	30.4		06:17:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:04	29.1			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 2  
ANIMAL ID: 8

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:19:12	20.7			
9	06/07/11	5062		06:16:22	23.6		06:16:23	Unremarkable
15	06/13/11	5062		06:21:05	24.4		06:21:06	Unremarkable
22	06/20/11	5062		06:17:47	25.6		06:17:48	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	39.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 2  
ANIMAL ID: 9

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:19:33	21.3			
9	06/07/11	5062		06:16:38	23.7		06:16:39	Unremarkable
15	06/13/11	5062		06:21:17	24.6		06:21:18	Unremarkable
22	06/20/11	5062		06:18:23	25.5		06:18:24	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:04	26.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 2  
ANIMAL ID: 10

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:19:50	20.9			
9	06/07/11	5062		06:17:02	24.0		06:17:04	Unremarkable
15	06/13/11	5062		06:21:29	24.6		06:21:29	Unremarkable
22	06/20/11	5062		06:18:35	25.7		06:18:37	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:04	23.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 3  
ANIMAL ID: 11

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:20:06	22.8			
9	06/07/11	5062		06:17:16	25.1		06:17:17	Unremarkable
15	06/13/11	5062		06:21:41	25.6		06:21:42	Unremarkable
22	06/20/11	5062		06:19:24	26.9		06:19:25	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:06	26.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 3  
ANIMAL ID: 12

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:20:25	20.4			
9	06/07/11	5062		06:17:30	22.8		06:17:32	Unremarkable
15	06/13/11	5062		06:21:53	24.0		06:21:54	Unremarkable
22	06/20/11	5062		06:19:38	25.0		06:19:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:06	24.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 3  
ANIMAL ID: 13

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:20:40	24.1			
9	06/07/11	5062		06:18:40	26.7		06:18:41	Unremarkable
15	06/13/11	5062		06:22:04	27.2		06:22:08	Unremarkable
22	06/20/11	5062		06:19:59	28.0		06:20:00	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:06	27.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 3  
ANIMAL ID: 14

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:20:58	24.0			
9	06/07/11	5062		06:19:03	27.0		06:19:07	Unremarkable
15	06/13/11	5062		06:22:20	27.8		06:22:20	Unremarkable
22	06/20/11	5062		06:20:11	28.9		06:20:12	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	45.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 3  
ANIMAL ID: 15

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:21:11	23.2			
9	06/07/11	5062		06:19:14	24.9		06:19:16	Unremarkable
15	06/13/11	5062		06:22:30	26.3		06:22:31	Unremarkable
22	06/20/11	5062		06:20:28	26.9		06:20:29	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:17:31	27.8		06:17:31	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 4  
ANIMAL ID: 16

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:21:31	21.9			
9	06/07/11	5062		06:19:35	24.0		06:19:37	Unremarkable
15	06/13/11	5062		06:22:43	25.1		06:22:44	Unremarkable
22	06/20/11	5062		06:20:43	26.4		06:20:43	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:04	30.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 4  
ANIMAL ID: 17

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:21:56	24.6			
9	06/07/11	5062		06:19:58	27.4		06:19:58	Unremarkable
15	06/13/11	5062		06:22:54	29.0		06:22:55	Unremarkable
22	06/20/11	5062		06:21:00	30.1		06:21:01	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		06:18:05	31.0		06:18:05	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

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<b>CAGE: 4</b>		<b>SEX: MALE</b>		<b>TRT#: 1</b>		<b>DOSE: Control</b>		
<b>ANIMAL ID: 18</b>								
DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:22:37	22.8			
9	06/07/11	5062		06:20:16	25.8		06:20:17	Unremarkable
15	06/13/11	5062		06:23:08	26.1		06:23:09	Unremarkable
22	06/20/11	5062		06:21:13	26.8		06:21:14	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		06:18:28	28.0		06:18:28	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 4  
ANIMAL ID: 19

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:22:52	21.1			
9	06/07/11	5062		06:20:32	23.6		06:20:33	Unremarkable
15	06/13/11	5062		06:23:20	24.1		06:23:20	Unremarkable
22	06/20/11	5062		06:21:26	25.5		06:21:26	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:08	24.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 4  
ANIMAL ID: 20

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:23:24	22.0			
9	06/07/11	5062		06:20:55	24.5		06:20:56	Unremarkable
15	06/13/11	5062		06:23:39	25.3		06:23:39	Unremarkable
22	06/20/11	5062		06:22:00	26.4		06:22:01	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:08	25.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 5  
ANIMAL ID: 21

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:23:46	22.7			
9	06/07/11	5062		06:21:11	25.2		06:21:12	Unremarkable
15	06/13/11	5062		06:23:51	26.3		06:23:51	Unremarkable
22	06/20/11	5062		06:22:38	27.4		06:22:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:06	28.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 5  
ANIMAL ID: 22

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:24:00	23.4			
9	06/07/11	5062		06:21:32	25.1		06:21:33	Unremarkable
15	06/13/11	5062		06:24:03	26.3		06:24:03	Unremarkable
22	06/20/11	5062		06:22:47	27.0		06:22:50	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	11/01/11	1		08:00:00	38.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 5  
ANIMAL ID: 23

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:24:18	21.0			
9	06/07/11	5062		06:21:44	23.3		06:21:45	Unremarkable
15	06/13/11	5062		06:24:16	24.7		06:24:16	Unremarkable
22	06/20/11	5062		06:23:09	25.7		06:23:10	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		06:19:05	26.9		06:19:05	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 5  
ANIMAL ID: 24

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:24:37	22.4			
9	06/07/11	5062		06:21:57	24.8		06:21:58	Unremarkable
15	06/13/11	5062		06:24:29	26.4		06:24:30	Unremarkable
22	06/20/11	5062		06:23:27	27.5		06:23:27	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	43.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 5  
ANIMAL ID: 25

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:24:58	22.3			
9	06/07/11	5062		06:22:16	24.8		06:22:17	Unremarkable
15	06/13/11	5062		06:24:40	25.7		06:24:40	Unremarkable
22	06/20/11	5062		06:23:43	26.6		06:23:44	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		06:19:31	27.6		06:19:31	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 6  
ANIMAL ID: 26

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:25:21	22.9			
9	06/07/11	5062		06:22:28	24.8		06:22:30	Unremarkable
15	06/13/11	5062		06:24:52	25.5		06:24:53	Unremarkable
22	06/20/11	5062		06:23:59	26.5		06:24:00	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:10	25.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 6  
ANIMAL ID: 27

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:25:37	22.4			
9	06/07/11	5062		06:22:50	24.5		06:22:51	Unremarkable
15	06/13/11	5062		06:25:06	26.1		06:25:06	Unremarkable
22	06/20/11	5062		06:24:14	27.1		06:24:15	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:08	27.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 6  
ANIMAL ID: 28

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:25:54	22.5			
9	06/07/11	5062		06:23:01	25.3		06:23:06	Unremarkable
15	06/13/11	5062		06:25:17	26.3		06:25:17	Unremarkable
22	06/20/11	5062		06:24:26	26.9		06:24:27	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		06:19:56	27.6		06:19:56	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 6  
ANIMAL ID: 29

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:26:13	22.6			
9	06/07/11	5062		06:23:23	25.1		06:23:24	Unremarkable
15	06/13/11	5062		06:25:28	26.5		06:25:28	Unremarkable
22	06/20/11	5062		06:24:44	28.2		06:24:45	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:10	26.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 6  
ANIMAL ID: 30

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:26:29	22.8			
9	06/07/11	5062		06:23:43	24.3		06:23:44	Unremarkable
15	06/13/11	5062		06:25:39	25.5		06:25:40	Unremarkable
22	06/20/11	5062		06:25:04	27.6		06:25:04	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:20:22	27.6		06:20:22	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 7  
ANIMAL ID: 31

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:26:56	22.0			
9	06/07/11	5062		06:24:03	24.6		06:24:04	Unremarkable
15	06/13/11	5062		06:25:52	25.5		06:25:52	Unremarkable
22	06/20/11	5062		06:25:20	26.1		06:25:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:06	30.8			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 7  
ANIMAL ID: 32

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:27:17	22.3			
9	06/07/11	5062		06:24:22	24.6		06:24:22	Unremarkable
15	06/13/11	5062		06:26:02	25.9		06:26:03	Unremarkable
22	06/20/11	5062		06:26:03	26.5		06:26:03	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:06	30.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 7  
ANIMAL ID: 33

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:27:36	22.2			
9	06/07/11	5062		06:24:32	25.3		06:24:33	Unremarkable
15	06/13/11	5062		06:26:14	27.3		06:26:14	Unremarkable
22	06/20/11	5062		06:26:28	27.8		06:26:28	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:06	30.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 7  
ANIMAL ID: 34

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:27:56	21.2			
9	06/07/11	5062		06:24:55	24.1		06:24:56	Unremarkable
15	06/13/11	5062		06:26:26	25.3		06:26:26	Unremarkable
22	06/20/11	5062		06:26:49	26.6		06:26:50	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		06:20:49	27.5		06:20:49	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 7  
ANIMAL ID: 35

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:28:16	22.4			
9	06/07/11	5062		06:25:16	25.5		06:25:16	Unremarkable
15	06/13/11	5062		06:26:40	25.2		06:26:45	Unremarkable
22	06/20/11	5062		06:27:07	26.4		06:27:07	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:10	27.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 15  
ANIMAL ID: 201

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:44:34	21.2			
9	06/07/11	5062		07:04:32	23.3		07:04:34	Unremarkable
15	06/13/11	5062		06:48:53	24.8		06:48:53	Unremarkable
22	06/20/11	5062		06:43:50	26.1		06:43:50	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:12	24.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 15  
ANIMAL ID: 202

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:44:54	23.2			
9	06/07/11	5062		07:04:50	24.3		07:04:51	Unremarkable
15	06/13/11	5062		06:49:15	24.8		06:49:15	Unremarkable
22	06/20/11	5062		06:44:09	26.0		06:44:12	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/12/11	1		09:00:12	26.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 15  
ANIMAL ID: 203

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:45:12	24.4			
9	06/07/11	5062		07:05:33	26.3		07:05:34	Unremarkable
15	06/13/11	5062		06:49:24	27.3		06:49:25	Unremarkable
22	06/20/11	5062		06:44:42	27.9		06:44:42	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:37:02	29.6		06:37:02	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 15  
ANIMAL ID: 204

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:45:37	22.6			
9	06/07/11	5062		07:05:44	25.4		07:05:45	Unremarkable
15	06/13/11	5062		06:49:42	26.0		06:49:43	Unremarkable
22	06/20/11	5062		06:44:53	27.8		06:44:56	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:37:23	28.4		06:37:23	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 15  
ANIMAL ID: 205

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:45:56	20.0			
9	06/07/11	5062		07:06:06	21.8		07:06:09	Unremarkable
15	06/13/11	5062		06:49:53	22.6		06:49:54	Unremarkable
22	06/20/11	5062		06:45:05	20.7		06:45:06	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	11/01/11	1		08:00:00	33.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 16  
ANIMAL ID: 206

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:46:18	21.9			
9	06/07/11	5062		07:06:21	23.8		07:06:22	Unremarkable
15	06/13/11	5062		06:50:09	24.7		06:50:09	Unremarkable
22	06/20/11	5062		06:45:17	25.8		06:45:17	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:10	29.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 16  
ANIMAL ID: 207

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:46:35	20.9			
9	06/07/11	5062		07:06:35	23.6		07:06:36	Unremarkable
15	06/13/11	5062		06:50:18	24.4		06:50:19	Unremarkable
22	06/20/11	5062		06:45:28	25.2		06:45:28	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:14	24.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 16  
ANIMAL ID: 208

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:46:49	23.5			
9	06/07/11	5062		07:06:55	26.7		07:06:56	Unremarkable
15	06/13/11	5062		06:50:28	27.8		06:50:28	Unremarkable
22	06/20/11	5062		06:45:41	29.4		06:45:42	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	11/01/11	1		08:00:00	47.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 16  
ANIMAL ID: 209

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:47:00	20.3			
9	06/07/11	5062		07:07:07	22.9		07:07:08	Unremarkable
15	06/13/11	5062		06:50:44	23.8		06:50:45	Unremarkable
22	06/20/11	5062		06:45:54	24.9		06:45:54	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:14	25.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 16  
ANIMAL ID: 210

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:47:19	21.7			
9	06/07/11	5062		07:07:31	24.3		07:07:31	Unremarkable
15	06/13/11	5062		06:50:59	25.3		06:50:59	Unremarkable
22	06/20/11	5062		06:46:05	25.9		06:46:06	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:14	24.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 17  
ANIMAL ID: 211

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:47:35	22.4			
9	06/07/11	5062		07:07:44	24.9		07:07:44	Unremarkable
15	06/13/11	5062		06:51:12	26.0		06:51:13	Unremarkable
22	06/20/11	5062		06:46:16	27.1		06:46:17	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/28/11	1		09:00:16	26.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 17  
ANIMAL ID: 212

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:47:54	22.5			
9	06/07/11	5062		07:08:06	24.6		07:08:08	Unremarkable
15	06/13/11	5062		06:51:23	25.5		06:51:23	Unremarkable
22	06/20/11	5062		06:46:31	26.7		06:46:31	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:16	25.9			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 17  
ANIMAL ID: 213

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:48:11	22.0			
9	06/07/11	5062		07:08:18	23.6		07:08:19	Unremarkable
15	06/13/11	5062		06:51:33	24.5		06:51:33	Unremarkable
22	06/20/11	5062		06:46:41	25.5		06:46:42	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/28/11	1		09:00:16	24.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 17  
ANIMAL ID: 214

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:48:36	21.6			
9	06/07/11	5062		07:08:34	24.2		07:08:34	Unremarkable
15	06/13/11	5062		06:51:43	24.8		06:51:43	Unremarkable
22	06/20/11	5062		06:46:58	26.2		06:46:58	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	40.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 17  
ANIMAL ID: 215

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:48:59	21.5			
9	06/07/11	5062		07:08:44	23.6		07:08:46	Unremarkable
15	06/13/11	5062		06:51:54	25.0		06:51:54	Unremarkable
22	06/20/11	5062		06:47:10	25.7		06:47:10	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:37:56	27.2		06:37:56	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 18  
ANIMAL ID: 216

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:49:22	21.0			
9	06/07/11	5062		07:09:05	24.0		07:09:07	Unremarkable
15	06/13/11	5062		06:52:06	25.3		06:52:07	Unremarkable
22	06/20/11	5062		06:49:57	26.6		06:47:23	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
72	08/09/11	1		08:00:12	31.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 18  
ANIMAL ID: 217

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:49:41	23.5			
9	06/07/11	5062		07:09:18	25.3		07:09:19	Unremarkable
15	06/13/11	5062		06:52:18	25.7		06:52:18	Unremarkable
22	06/20/11	5062		06:49:41	26.6		06:47:38	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:38:32	27.1		06:38:32	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 18  
ANIMAL ID: 218

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:50:09	23.7			
9	06/07/11	5062		07:09:39	25.3		07:09:39	Unremarkable
15	06/13/11	5062		06:52:30	26.0		06:52:30	Unremarkable
22	06/20/11	5062		06:50:17	26.7		06:47:56	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		06:38:59	27.7		06:38:59	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 18  
ANIMAL ID: 219

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:50:32	22.0			
9	06/07/11	5062		07:09:59	23.5		07:10:00	Unremarkable
15	06/13/11	5062		06:52:42	24.4		06:52:43	Unremarkable
22	06/20/11	5062		06:48:11	25.5		06:48:12	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:18	24.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 18  
ANIMAL ID: 220

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:50:56	23.1			
9	06/07/11	5062		07:10:25	25.9		07:10:25	Unremarkable
15	06/13/11	5062		06:52:53	27.1		06:52:54	Unremarkable
22	06/20/11	5062		06:48:38	28.9		06:48:39	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/28/11	1		09:00:18	26.9			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 19  
ANIMAL ID: 221

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:51:21	22.8			
9	06/07/11	5062		07:10:37	25.2		07:10:38	Unremarkable
15	06/13/11	5062		06:53:10	25.9		06:53:10	Unremarkable
22	06/20/11	5062		06:51:01	27.1		06:51:06	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:16	27.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 19  
ANIMAL ID: 222

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:51:38	21.1			
9	06/07/11	5062		07:11:11	22.9		07:11:11	Unremarkable
15	06/13/11	5062		06:54:03	23.9		06:54:15	Unremarkable
22	06/20/11	5062		06:51:15	25.2		06:51:16	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	11/01/11	1		08:00:00	36.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 19  
ANIMAL ID: 223

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:51:57	22.5			
9	06/07/11	5062		07:11:25	24.7		07:11:26	Unremarkable
15	06/13/11	5062		06:54:29	25.4		06:54:29	Unremarkable
22	06/20/11	5062		06:51:29	26.9		06:51:30	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:39:49	28.4		06:39:49	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 19  
ANIMAL ID: 224

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:52:15	22.7			
9	06/07/11	5062		07:11:40	25.0		07:11:41	Unremarkable
15	06/13/11	5062		06:54:41	26.4		06:54:42	Unremarkable
22	06/20/11	5062		06:51:42	28.0		06:51:42	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	11/01/11	1		08:00:00	43.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 19  
ANIMAL ID: 225

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:52:37	20.9			
9	06/07/11	5062		07:12:06	24.4		07:12:07	Unremarkable
15	06/13/11	5062		06:54:56	24.9		06:54:57	Unremarkable
22	06/20/11	5062		06:51:57	25.9		06:51:59	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:40:13	26.6		06:40:13	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 20  
ANIMAL ID: 226

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:52:57	23.4			
9	06/07/11	5062		07:12:18	24.7		07:12:18	Unremarkable
15	06/13/11	5062		06:55:14	26.2		06:55:17	Unremarkable
22	06/20/11	5062		06:52:07	27.3		06:52:07	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:20	26.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 20  
ANIMAL ID: 227

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:53:14	23.4			
9	06/07/11	5062		07:12:36	25.8		07:12:37	Unremarkable
15	06/13/11	5062		06:55:32	27.0		06:55:32	Unremarkable
22	06/20/11	5062		06:52:27	28.2		06:52:28	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:18	29.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 20  
ANIMAL ID: 228

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:53:32	20.9			
9	06/07/11	5062		07:12:56	24.3		07:12:57	Unremarkable
15	06/13/11	5062		06:55:47	26.4		06:55:48	Unremarkable
22	06/20/11	5062		06:52:37	27.0		06:52:38	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:40:40	28.0		06:40:40	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 20  
ANIMAL ID: 229

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:53:52	22.8			
9	06/07/11	5062		07:13:28	24.4		07:13:33	Unremarkable
15	06/13/11	5062		06:56:01	25.6		06:56:01	Unremarkable
22	06/20/11	5062		06:52:55	27.0		06:52:56	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:20	25.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 20  
ANIMAL ID: 230

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:54:16	23.1			
9	06/07/11	5062		07:14:03	24.6		07:14:06	Unremarkable
15	06/13/11	5062		06:56:22	25.9		06:56:30	Unremarkable
22	06/20/11	5062		06:53:34	26.5		06:53:35	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:41:04	26.7		06:41:04	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 21  
ANIMAL ID: 231

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:54:38	20.0			
9	06/07/11	5062		07:14:27	22.0		07:14:28	Unremarkable
15	06/13/11	5062		06:56:37	22.9		06:56:39	Unremarkable
22	06/20/11	5062		06:53:46	24.0		06:53:46	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:14	27.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 21  
ANIMAL ID: 232

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:54:58	20.8			
9	06/07/11	5062		07:14:50	23.2		07:14:52	Unremarkable
15	06/13/11	5062		06:56:51	24.5		06:56:51	Unremarkable
22	06/20/11	5062		06:54:05	25.9		06:54:07	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:14	30.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 21  
ANIMAL ID: 233

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:55:17	22.5			
9	06/07/11	5062		07:15:08	24.9		07:15:10	Unremarkable
15	06/13/11	5062		06:57:02	25.3		06:57:02	Unremarkable
22	06/20/11	5062		06:54:19	26.7		06:54:20	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:14	31.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 21  
ANIMAL ID: 234

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:55:37	20.2			
9	06/07/11	5062		07:15:30	23.0		07:15:33	Unremarkable
15	06/13/11	5062		06:57:13	23.8		06:57:14	Unremarkable
22	06/20/11	5062		06:54:29	24.9		06:54:30	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:41:35	26.1		06:41:35	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 21  
ANIMAL ID: 235

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:55:59	23.3			
9	06/07/11	5062		07:15:46	24.9		07:15:47	Unremarkable
15	06/13/11	5062		06:57:24	26.0		06:57:25	Unremarkable
22	06/20/11	5062		06:54:43	27.1		06:54:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:20	28.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 29  
ANIMAL ID: 401

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:17:05	21.2			
9	06/07/11	5062		07:55:02	23.3		07:55:02	Unremarkable
15	06/13/11	5062		07:13:50	23.9		07:13:51	Unremarkable
22	06/20/11	5062		07:14:12	24.8		07:14:13	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:22	23.5			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 29  
ANIMAL ID: 402

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:17:18	21.6			
9	06/07/11	5062		07:55:13	23.8		07:55:15	Unremarkable
15	06/13/11	5062		07:14:03	25.4		07:14:03	Unremarkable
22	06/20/11	5062		07:14:19	26.8		07:14:20	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:22	27.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 29  
ANIMAL ID: 403

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:17:35	23.6			
9	06/07/11	5062		07:55:25	26.2		07:55:26	Unremarkable
15	06/13/11	5062		07:14:14	26.7		07:14:14	Unremarkable
22	06/20/11	5062		07:14:41	27.9		07:14:41	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		06:44:20	29.0		06:44:20	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 29  
ANIMAL ID: 404

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:17:48	21.5			
9	06/07/11	5062		07:55:36	24.7		07:55:36	Unremarkable
15	06/13/11	5062		07:14:23	25.6		07:14:23	Unremarkable
22	06/20/11	5062		07:14:48	26.6		07:14:48	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:44:39	27.3		06:44:39	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 29  
ANIMAL ID: 405

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:18:03	22.5			
9	06/07/11	5062		07:55:53	25.7		07:56:00	Unremarkable
15	06/13/11	5062		07:14:39	25.9		07:14:40	Unremarkable
22	06/20/11	5062		07:15:12	27.1		07:15:12	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	39.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 30  
ANIMAL ID: 406

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:18:22	21.7			
9	06/07/11	5062		07:56:10	23.4		07:56:11	Unremarkable
15	06/13/11	5062		07:14:52	24.3		07:14:52	Unremarkable
22	06/20/11	5062		07:15:24	25.7		07:15:27	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:16	28.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 30  
ANIMAL ID: 407

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:18:36	22.2			
9	06/07/11	5062		07:56:21	24.2		07:56:21	Unremarkable
15	06/13/11	5062		07:15:04	25.1		07:15:04	Unremarkable
22	06/20/11	5062		07:15:46	26.3		07:15:46	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:24	26.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 30  
ANIMAL ID: 408

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:18:49	23.5			
9	06/07/11	5062		07:56:36	25.0		07:56:36	Unremarkable
15	06/13/11	5062		07:15:15	25.9		07:15:15	Unremarkable
22	06/20/11	5062		07:15:55	26.6		07:15:57	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	11/01/11	1		08:00:00	38.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 30  
ANIMAL ID: 409

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:19:04	20.9			
9	06/07/11	5062		07:56:49	23.1		07:56:49	Unremarkable
15	06/13/11	5062		07:15:24	24.1		07:15:24	Unremarkable
22	06/20/11	5062		07:16:11	25.9		07:16:12	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:24	26.0			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 30  
ANIMAL ID: 410

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:19:20	22.2			
9	06/07/11	5062		07:57:03	24.8		07:57:03	Unremarkable
15	06/13/11	5062		07:15:35	26.2		07:15:35	Unremarkable
22	06/20/11	5062		07:16:25	27.3		07:16:25	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:24	26.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 31  
ANIMAL ID: 411

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:19:34	22.1			
9	06/07/11	5062		07:57:16	24.3		07:57:16	Unremarkable
15	06/13/11	5062		07:15:48	24.5		07:15:48	Unremarkable
22	06/20/11	5062		07:16:47	25.1		07:16:48	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:26	23.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 31  
ANIMAL ID: 412

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:19:50	22.5			
9	06/07/11	5062		07:57:37	24.3		07:57:37	Unremarkable
15	06/13/11	5062		07:16:03	25.2		07:16:04	Unremarkable
22	06/20/11	5062		07:16:55	26.6		07:16:55	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:26	25.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 31  
ANIMAL ID: 413

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:20:06	21.4			
9	06/07/11	5062		07:57:52	23.9		07:57:52	Unremarkable
15	06/13/11	5062		07:16:15	25.0		07:16:15	Unremarkable
22	06/20/11	5062		07:17:12	25.9		07:17:13	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:26	25.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 31  
ANIMAL ID: 414

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:20:18	23.0			
9	06/07/11	5062		07:58:05	25.6		07:58:05	Unremarkable
15	06/13/11	5062		07:16:25	26.7		07:16:26	Unremarkable
22	06/20/11	5062		07:17:21	27.5		07:17:22	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	39.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 31  
ANIMAL ID: 415

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:20:38	21.7			
9	06/07/11	5062		07:58:26	24.1		07:58:26	Unremarkable
15	06/13/11	5062		07:16:37	25.1		07:16:37	Unremarkable
22	06/20/11	5062		07:17:35	26.5		07:17:43	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		06:45:16	27.9		06:45:16	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 32  
ANIMAL ID: 416

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:20:56	22.4			
9	06/07/11	5062		07:58:41	23.5		07:58:42	Unremarkable
15	06/13/11	5062		07:16:47	24.0		07:16:48	Unremarkable
22	06/20/11	5062		07:17:52	24.7		07:17:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:18	27.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 32  
ANIMAL ID: 417

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:22:29	24.1			
9	06/07/11	5062		07:59:00	26.2		07:59:02	Unremarkable
15	06/13/11	5062		07:17:00	28.2		07:17:00	Unremarkable
22	06/20/11	5062		07:18:18	29.5		07:18:20	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:45:41	30.5		06:45:41	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 32  
ANIMAL ID: 418

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:22:49	23.1			
9	06/07/11	5062		07:59:19	24.7		07:59:20	Unremarkable
15	06/13/11	5062		07:17:15	25.6		07:17:15	Unremarkable
22	06/20/11	5062		07:18:30	27.3		07:18:31	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:46:09	28.0		06:46:09	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 32  
ANIMAL ID: 419

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:23:19	21.0			
9	06/07/11	5062		07:59:54	23.5		07:59:55	Unremarkable
15	06/13/11	5062		07:17:55	24.6		07:17:55	Unremarkable
22	06/20/11	5062		07:18:41	25.6		07:18:45	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:28	24.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 32  
ANIMAL ID: 420

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:23:32	23.1			
9	06/07/11	5062		08:00:08	25.6		08:00:10	Unremarkable
15	06/13/11	5062		07:18:07	26.1		07:18:07	Unremarkable
22	06/20/11	5062		07:19:00	26.9		07:19:00	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:28	25.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 33  
ANIMAL ID: 421

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:23:44	24.4			
9	06/07/11	5062		08:00:26	25.4		08:00:28	Unremarkable
15	06/13/11	5062		07:18:19	26.1		07:18:19	Unremarkable
22	06/20/11	5062		07:19:16	28.3		07:19:16	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:26	28.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 33  
ANIMAL ID: 422

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:23:59	23.2			
9	06/07/11	5062		08:01:06	25.9		08:01:07	Unremarkable
15	06/13/11	5062		07:18:36	26.3		07:18:36	Unremarkable
22	06/20/11	5062		07:19:44	27.7		07:19:45	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	40.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 33  
ANIMAL ID: 423

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:24:14	22.9			
9	06/07/11	5062		08:01:25	23.7		08:01:27	Unremarkable
15	06/13/11	5062		07:18:49	24.2		07:18:50	Unremarkable
22	06/20/11	5062		07:19:59	25.1		07:19:59	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:46:36	26.1		06:46:36	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 33  
ANIMAL ID: 424

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:24:28	22.1			
9	06/07/11	5062		08:01:38	24.9		08:01:41	Unremarkable
15	06/13/11	5062		07:19:00	26.1		07:19:01	Unremarkable
22	06/20/11	5062		07:20:09	26.5		07:20:09	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	36.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 33  
ANIMAL ID: 425

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:24:41	22.0			
9	06/07/11	5062		08:01:52	24.1		08:01:53	Unremarkable
15	06/13/11	5062		07:19:12	24.7		07:19:12	Unremarkable
22	06/20/11	5062		07:20:19	25.6		07:20:19	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:47:03	25.6		06:47:03	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 34  
ANIMAL ID: 426

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:24:55	21.9			
9	06/07/11	5062		08:02:04	23.4		08:02:04	Unremarkable
15	06/13/11	5062		07:19:23	23.8		07:19:23	Unremarkable
22	06/20/11	5062		07:20:34	25.3		07:20:34	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:32	24.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 34  
ANIMAL ID: 427

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:25:06	23.1			
9	06/07/11	5062		08:02:17	25.3		08:02:18	Unremarkable
15	06/13/11	5062		07:19:36	26.3		07:19:37	Unremarkable
22	06/20/11	5062		07:20:49	27.0		07:20:50	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/12/11	1		09:00:28	27.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 34  
ANIMAL ID: 428

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:25:20	20.7			
9	06/07/11	5062		08:02:29	23.8		08:02:30	Unremarkable
15	06/13/11	5062		07:19:48	24.4		07:19:48	Unremarkable
22	06/20/11	5062		07:21:04	25.2		07:21:05	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:47:37	25.7		06:47:37	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 34  
ANIMAL ID: 429

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:25:34	22.4			
9	06/07/11	5062		08:03:08	24.0		08:03:09	Unremarkable
15	06/13/11	5062		07:20:02	24.4		07:20:02	Unremarkable
22	06/20/11	5062		07:21:28	25.7		07:21:28	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/28/11	1		09:00:32	24.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 34  
ANIMAL ID: 430

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:25:55	20.6			
9	06/07/11	5062		08:03:18	22.6		08:03:22	Unremarkable
15	06/13/11	5062		07:20:14	22.9		07:20:14	Unremarkable
22	06/20/11	5062		07:21:37	24.6		07:21:38	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:48:08	25.3		06:48:08	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 35  
ANIMAL ID: 431

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:26:09	22.6			
9	06/07/11	5062		08:03:35	25.4		08:03:37	Unremarkable
15	06/13/11	5062		07:20:26	26.4		07:20:26	Unremarkable
22	06/20/11	5062		07:22:01	26.6		07:22:04	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:20	30.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 35  
ANIMAL ID: 432

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:26:22	22.8			
9	06/07/11	5062		08:03:54	25.1		08:03:55	Unremarkable
15	06/13/11	5062		07:20:39	26.3		07:20:40	Unremarkable
22	06/20/11	5062		07:22:13	27.6		07:22:14	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:20	32.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 35  
ANIMAL ID: 433

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:26:38	21.2			
9	06/07/11	5062		08:04:11	23.5		08:04:12	Unremarkable
15	06/13/11	5062		07:20:52	25.1		07:20:52	Unremarkable
22	06/20/11	5062		07:22:31	25.7		07:22:31	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:20	29.1			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 35  
ANIMAL ID: 434

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:26:53	22.3			
9	06/07/11	5062		08:04:23	24.9		08:04:24	Unremarkable
15	06/13/11	5062		07:21:03	26.2		07:21:04	Unremarkable
22	06/20/11	5062		07:22:41	27.4		07:22:42	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:48:42	27.8		06:48:42	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 35  
ANIMAL ID: 435

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:27:08	21.6			
9	06/07/11	5062		08:04:38	24.7		08:04:38	Unremarkable
15	06/13/11	5062		07:21:16	26.3		07:21:17	Unremarkable
22	06/20/11	5062		07:22:56	27.0		07:22:56	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/12/11	1		09:00:30	28.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 43  
ANIMAL ID: 601

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:41:08	20.8			
9	06/07/11	5062		08:41:41	23.7		08:41:44	Unremarkable
15	06/13/11	5062		07:36:46	24.9		07:36:47	Unremarkable
22	06/20/11	5062		07:39:53	26.5		07:38:21	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/28/11	1		09:00:34	24.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 43  
ANIMAL ID: 602

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:41:22	24.1			
9	06/07/11	5062		08:41:52	26.0		08:41:54	Unremarkable
15	06/13/11	5062		07:36:58	26.2		07:36:58	Unremarkable
22	06/20/11	5062		07:38:28	27.7		07:38:31	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:32	27.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 43  
ANIMAL ID: 603

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:41:35	22.4			
9	06/07/11	5062		08:42:03	23.2		08:42:03	Unremarkable
15	06/13/11	5062		07:37:07	24.1		07:37:07	Unremarkable
22	06/20/11	5062		07:38:46	24.6		07:38:47	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:50:31	25.8		06:50:31	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 43  
ANIMAL ID: 604

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:41:44	21.9			
9	06/07/11	5062		08:42:12	23.6		08:42:12	Unremarkable
15	06/13/11	5062		07:37:29	25.0		07:37:29	Unremarkable
22	06/20/11	5062		07:38:59	26.7		07:39:00	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:50:48	28.4		06:50:48	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 43  
ANIMAL ID: 605

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:41:56	22.5			
9	06/07/11	5062		08:42:21	25.7		08:42:21	Unremarkable
15	06/13/11	5062		07:37:55	26.9		07:37:56	Unremarkable
22	06/20/11	5062		07:39:22	28.4		07:39:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	41.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 44  
ANIMAL ID: 606

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:42:10	23.3			
9	06/07/11	5062		08:42:32	25.8		08:42:33	Unremarkable
15	06/13/11	5062		07:38:07	27.0		07:38:07	Unremarkable
22	06/20/11	5062		07:40:22	28.4		07:40:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:22	30.5			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 44  
ANIMAL ID: 607

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:42:23	21.4			
9	06/07/11	5062		08:42:48	23.8		08:42:52	Unremarkable
15	06/13/11	5062		07:38:21	24.9		07:38:21	Unremarkable
22	06/20/11	5062		07:40:40	26.1		07:40:41	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:36	24.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 44  
ANIMAL ID: 608

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:42:35	23.8			
9	06/07/11	5062		08:43:07	25.9		08:43:08	Unremarkable
15	06/13/11	5062		07:38:31	26.9		07:38:31	Unremarkable
22	06/20/11	5062		07:40:48	27.7		07:40:48	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	39.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 44  
ANIMAL ID: 609

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:42:46	21.8			
9	06/07/11	5062		08:43:18	24.1		08:43:19	Unremarkable
15	06/13/11	5062		07:38:41	25.0		07:38:41	Unremarkable
22	06/20/11	5062		07:41:04	26.4		07:41:05	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:34	26.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 44  
ANIMAL ID: 610

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:42:58	22.3			
9	06/07/11	5062		08:43:28	23.9		08:43:29	Unremarkable
15	06/13/11	5062		07:38:53	24.6		07:38:53	Unremarkable
22	06/20/11	5062		07:41:17	26.2		07:41:18	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:36	24.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 45  
ANIMAL ID: 611

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:43:16	21.7			
9	06/07/11	5062		08:43:43	24.5		08:43:44	Unremarkable
15	06/13/11	5062		07:39:04	25.4		07:39:05	Unremarkable
22	06/20/11	5062		07:41:39	26.3		07:41:41	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:38	25.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 45  
ANIMAL ID: 612

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:43:28	21.1			
9	06/07/11	5062		08:43:52	23.4		08:44:04	Unremarkable
15	06/13/11	5062		07:39:14	24.4		07:39:14	Unremarkable
22	06/20/11	5062		07:41:51	25.4		07:41:52	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:38	24.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 45  
ANIMAL ID: 613

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:43:39	21.3			
9	06/07/11	5062		08:44:18	22.8		08:44:18	Unremarkable
15	06/13/11	5062		07:39:29	24.0		07:39:29	Unremarkable
22	06/20/11	5062		07:42:02	25.5		07:42:05	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:38	24.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 45  
ANIMAL ID: 614

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:43:48	23.0			
9	06/07/11	5062		08:44:29	25.6		08:44:29	Unremarkable
15	06/13/11	5062		07:39:39	26.6		07:39:39	Unremarkable
22	06/20/11	5062		07:42:12	27.9		07:42:12	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	42.1			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 45  
ANIMAL ID: 615

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:44:05	22.3			
9	06/07/11	5062		08:44:38	24.0		08:44:38	Unremarkable
15	06/13/11	5062		07:39:49	24.8		07:39:49	Unremarkable
22	06/20/11	5062		07:42:21	26.0		07:42:22	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:51:31	26.7		06:51:31	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 46  
ANIMAL ID: 616

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:44:17	23.1			
9	06/07/11	5062		08:44:48	25.0		08:44:49	Unremarkable
15	06/13/11	5062		07:39:59	25.8		07:40:00	Unremarkable
22	06/20/11	5062		07:42:32	26.5		07:42:34	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:24	28.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 46  
ANIMAL ID: 617

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:44:33	21.2			
9	06/07/11	5062		08:45:05	22.5		08:45:07	Unremarkable
15	06/13/11	5062		07:40:08	23.8		07:40:08	Unremarkable
22	06/20/11	5062		07:42:44	24.5		07:42:49	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:51:54	25.8		06:51:54	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 46  
ANIMAL ID: 618

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:44:49	22.3			
9	06/07/11	5062		08:45:16	24.4		08:45:17	Unremarkable
15	06/13/11	5062		07:40:18	25.1		07:40:18	Unremarkable
22	06/20/11	5062		07:43:01	26.1		07:43:03	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:52:13	27.6		06:52:13	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 46  
ANIMAL ID: 619

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:46:04	21.2			
9	06/07/11	5062		08:45:31	23.9		08:45:33	Unremarkable
15	06/13/11	5062		07:40:28	25.6		07:40:29	Unremarkable
22	06/20/11	5062		07:43:13	26.4		07:43:15	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:40	25.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 46  
ANIMAL ID: 620

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:46:15	21.2			
9	06/07/11	5062		08:45:42	22.9		08:45:43	Unremarkable
15	06/13/11	5062		07:40:38	24.6		07:40:39	Unremarkable
22	06/20/11	5062		07:43:29	26.4		07:43:30	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:40	24.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 47  
ANIMAL ID: 621

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:46:34	22.0			
9	06/07/11	5062		08:45:52	23.5		08:45:53	Unremarkable
15	06/13/11	5062		07:40:49	24.2		07:40:50	Unremarkable
22	06/20/11	5062		07:43:46	25.2		07:43:48	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/12/11	1		09:00:36	26.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 47  
ANIMAL ID: 622

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:46:44	23.8			
9	06/07/11	5062		08:46:04	25.4		08:46:05	Unremarkable
15	06/13/11	5062		07:41:02	25.9		07:41:02	Unremarkable
22	06/20/11	5062		07:44:00	26.6		07:44:04	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	11/01/11	1		08:00:00	38.7			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 47  
ANIMAL ID: 623

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:46:52	22.3			
9	06/07/11	5062		08:46:42	24.5		08:46:42	Unremarkable
15	06/13/11	5062		07:41:14	25.0		07:41:14	Unremarkable
22	06/20/11	5062		07:44:13	25.3		07:44:16	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:52:36	27.0		06:52:36	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 47  
ANIMAL ID: 624

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:47:01	22.9			
9	06/07/11	5062		08:46:53	24.4		08:46:55	Unremarkable
15	06/13/11	5062		07:41:29	25.9		07:41:29	Unremarkable
22	06/20/11	5062		07:44:27	26.7		07:44:29	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	11/01/11	1		08:00:00	42.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 47  
ANIMAL ID: 625

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:47:16	22.6			
9	06/07/11	5062		08:47:14	24.1		08:47:16	Unremarkable
15	06/13/11	5062		07:41:40	25.0		07:41:41	Unremarkable
22	06/20/11	5062		07:44:34	25.7		07:44:35	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:52:58	26.2		06:52:58	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 48  
ANIMAL ID: 626

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:47:29	21.8			
9	06/07/11	5062		08:47:26	24.1		08:47:26	Unremarkable
15	06/13/11	5062		07:41:53	24.9		07:41:53	Unremarkable
22	06/20/11	5062		07:44:43	26.2		07:44:44	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/28/11	1		09:00:42	25.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 48  
ANIMAL ID: 627

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:47:48	22.8			
9	06/07/11	5062		08:47:35	25.4		08:47:36	Unremarkable
15	06/13/11	5062		07:42:04	26.5		07:42:05	Unremarkable
22	06/20/11	5062		07:44:55	26.8		07:44:56	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:38	27.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 48  
ANIMAL ID: 628

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:47:56	21.9			
9	06/07/11	5062		08:47:45	24.3		08:47:46	Unremarkable
15	06/13/11	5062		07:42:14	25.3		07:42:15	Unremarkable
22	06/20/11	5062		07:45:05	26.4		07:45:05	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:53:23	27.5		06:53:23	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 48  
ANIMAL ID: 629

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:48:05	23.2			
9	06/07/11	5062		08:47:58	25.5		08:47:59	Unremarkable
15	06/13/11	5062		07:42:26	26.7		07:42:26	Unremarkable
22	06/20/11	5062		07:45:16	27.9		07:45:17	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/28/11	1		09:00:42	26.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 48  
ANIMAL ID: 630

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:48:19	23.9			
9	06/07/11	5062		08:48:09	26.0		08:48:10	Unremarkable
15	06/13/11	5062		07:42:36	26.8		07:42:36	Unremarkable
22	06/20/11	5062		07:45:25	28.0		07:45:25	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:53:46	29.0		06:53:46	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 49  
ANIMAL ID: 631

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:48:30	21.6			
9	06/07/11	5062		08:48:20	25.7		08:48:21	Unremarkable
15	06/13/11	5062		07:42:47	26.4		07:42:48	Unremarkable
22	06/20/11	5062		07:45:45	27.0		07:45:46	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:26	32.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 49  
ANIMAL ID: 632

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:48:43	20.1			
9	06/07/11	5062		08:48:37	22.2		08:48:37	Unremarkable
15	06/13/11	5062		07:43:00	23.2		07:43:00	Unremarkable
22	06/20/11	5062		07:46:00	24.3		07:46:01	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:26	28.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 49  
ANIMAL ID: 633

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:48:53	21.4			
9	06/07/11	5062		08:48:49	24.2		08:48:49	Unremarkable
15	06/13/11	5062		07:43:10	26.2		07:43:10	Unremarkable
22	06/20/11	5062		07:46:12	27.9		07:46:13	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:26	30.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 49  
ANIMAL ID: 634

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:49:02	20.9			
9	06/07/11	5062		08:49:05	23.3		08:49:05	Unremarkable
15	06/13/11	5062		07:43:24	24.4		07:43:24	Unremarkable
22	06/20/11	5062		07:46:24	26.3		07:46:24	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:54:14	27.5		06:54:14	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 49  
ANIMAL ID: 635

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:49:17	23.2			
9	06/07/11	5062		08:49:19	25.1		08:49:23	Unremarkable
15	06/13/11	5062		07:43:35	26.4		07:43:35	Unremarkable
22	06/20/11	5062		07:46:54	27.3		07:46:55	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:40	28.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 57  
ANIMAL ID: 801

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:01:19	22.5			
9	06/07/11	5062		09:07:01	24.5		09:07:06	Unremarkable
15	06/13/11	5062		07:57:18	25.0		07:57:18	Unremarkable
22	06/20/11	5062		08:02:42	26.2		08:02:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:44	25.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 57  
ANIMAL ID: 802

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:01:33	20.5			
9	06/07/11	5062		09:07:24	23.6		09:07:25	Unremarkable
15	06/13/11	5062		07:57:27	24.7		07:57:28	Unremarkable
22	06/20/11	5062		08:02:51	25.8		08:02:52	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:42	26.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 57  
ANIMAL ID: 803

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:00:41	21.2			
9	06/07/11	5062		09:07:35	23.8		09:07:36	Unremarkable
15	06/13/11	5062		07:57:38	25.2		07:57:39	Unremarkable
22	06/20/11	5062		08:03:13	26.3		08:03:14	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:56:46	27.8		06:56:46	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 57  
ANIMAL ID: 804

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:00:54	23.0			
9	06/07/11	5062		09:07:44	26.2		09:07:44	Unremarkable
15	06/13/11	5062		07:57:52	26.7		07:57:53	Unremarkable
22	06/20/11	5062		08:03:22	27.9		08:03:22	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		06:57:05	29.0		06:57:05	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 57  
ANIMAL ID: 805

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:01:04	21.8			
9	06/07/11	5062		09:07:53	24.6		09:07:53	Unremarkable
15	06/13/11	5062		07:58:02	25.1		07:58:02	Unremarkable
22	06/20/11	5062		08:03:36	26.5		08:03:36	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	39.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 58  
ANIMAL ID: 806

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:01:52	23.2			
9	06/07/11	5062		09:08:03	26.7		09:08:03	Unremarkable
15	06/13/11	5062		07:58:19	27.7		07:58:19	Unremarkable
22	06/20/11	5062		08:03:47	29.3		08:03:55	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:28	35.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 58  
ANIMAL ID: 807

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:02:05	22.8			
9	06/07/11	5062		09:08:11	25.6		09:08:13	Unremarkable
15	06/13/11	5062		07:58:27	26.1		07:58:27	Unremarkable
22	06/20/11	5062		08:04:00	27.6		08:04:00	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:46	27.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 58  
ANIMAL ID: 808

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:02:14	23.6			
9	06/07/11	5062		09:08:24	26.2		09:08:25	Unremarkable
15	06/13/11	5062		07:58:37	26.0		07:58:37	Unremarkable
22	06/20/11	5062		08:04:08	27.5		08:04:09	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	44.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 58  
ANIMAL ID: 809

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:02:25	21.2			
9	06/07/11	5062		09:08:34	24.8		09:08:40	Unremarkable
15	06/13/11	5062		07:58:47	24.8		07:58:48	Unremarkable
22	06/20/11	5062		08:04:27	25.7		08:04:28	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:44	26.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 58  
ANIMAL ID: 810

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:02:43	21.3			
9	06/07/11	5062		09:08:49	23.7		09:08:57	Unremarkable
15	06/13/11	5062		07:59:04	23.7		07:59:05	Unremarkable
22	06/20/11	5062		08:04:35	25.1		08:04:36	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:46	24.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 59  
ANIMAL ID: 811

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:02:55	22.7			
9	06/07/11	5062		09:09:15	24.6		09:09:16	Unremarkable
15	06/13/11	5062		07:59:14	25.2		07:59:14	Unremarkable
22	06/20/11	5062		08:04:52	26.4		08:04:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:48	25.1			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 59  
ANIMAL ID: 812

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:03:17	21.2			
9	06/07/11	5062		09:09:25	22.5		09:09:25	Unremarkable
15	06/13/11	5062		07:59:28	23.1		07:59:28	Unremarkable
22	06/20/11	5062		08:05:01	23.5		08:05:02	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:48	22.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 59  
ANIMAL ID: 813

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:03:28	22.2			
9	06/07/11	5062		09:09:34	24.4		09:09:34	Unremarkable
15	06/13/11	5062		07:59:37	25.4		07:59:38	Unremarkable
22	06/20/11	5062		08:05:15	26.7		08:05:15	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:48	25.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 59  
ANIMAL ID: 814

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:03:38	21.0			
9	06/07/11	5062		09:09:43	23.9		09:09:44	Unremarkable
15	06/13/11	5062		07:59:47	24.8		07:59:47	Unremarkable
22	06/20/11	5062		08:05:22	25.5		08:05:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	40.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 59  
ANIMAL ID: 815

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:03:54	24.0			
9	06/07/11	5062		09:09:59	26.6		09:10:00	Unremarkable
15	06/13/11	5062		07:59:58	27.9		07:59:58	Unremarkable
22	06/20/11	5062		08:05:35	29.2		08:05:36	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:57:32	31.4		06:57:32	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 60  
ANIMAL ID: 816

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:04:09	24.6			
9	06/07/11	5062		09:10:09	26.0		09:10:10	Unremarkable
15	06/13/11	5062		08:00:09	26.8		08:00:09	Unremarkable
22	06/20/11	5062		08:05:43	28.3		08:05:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:30	35.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 60  
ANIMAL ID: 817

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:04:21	23.3			
9	06/07/11	5062		09:10:24	25.1		09:10:25	Unremarkable
15	06/13/11	5062		08:00:18	25.1		08:00:19	Unremarkable
22	06/20/11	5062		08:05:58	25.7		08:05:59	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:57:54	27.1		06:57:54	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 60  
ANIMAL ID: 818

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:04:34	21.7			
9	06/07/11	5062		09:10:33	23.2		09:10:33	Unremarkable
15	06/13/11	5062		08:00:29	24.0		08:00:29	Unremarkable
22	06/20/11	5062		08:06:07	24.7		08:06:08	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:58:11	25.9		06:58:11	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 60  
ANIMAL ID: 819

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:04:46	22.6			
9	06/07/11	5062		09:10:42	24.8		09:10:43	Unremarkable
15	06/13/11	5062		08:00:39	25.3		08:00:39	Unremarkable
22	06/20/11	5062		08:06:23	26.2		08:06:26	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:50	25.2			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 60  
ANIMAL ID: 820

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:04:58	23.3			
9	06/07/11	5062		09:10:52	25.9		09:10:52	Unremarkable
15	06/13/11	5062		08:00:51	26.6		08:00:52	Unremarkable
22	06/20/11	5062		08:06:34	28.5		08:06:35	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:50	27.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 61  
ANIMAL ID: 821

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:05:14	21.1			
9	06/07/11	5062		09:11:03	23.9		09:11:04	Unremarkable
15	06/13/11	5062		08:01:02	24.8		08:01:03	Unremarkable
22	06/20/11	5062		08:06:49	26.2		08:06:50	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:48	26.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 61  
ANIMAL ID: 822

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:05:23	21.1			
9	06/07/11	5062		09:11:12	23.5		09:11:13	Unremarkable
15	06/13/11	5062		08:01:15	23.9		08:01:15	Unremarkable
22	06/20/11	5062		08:07:00	24.5		08:07:02	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	33.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 61  
ANIMAL ID: 823

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:05:34	20.2			
9	06/07/11	5062		09:11:23	22.4		09:11:23	Unremarkable
15	06/13/11	5062		08:01:25	23.3		08:01:25	Unremarkable
22	06/20/11	5062		08:07:37	24.4		08:07:43	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:58:42	25.4		06:58:42	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 61  
ANIMAL ID: 824

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:05:54	23.4			
9	06/07/11	5062		09:11:33	25.9		09:11:34	Unremarkable
15	06/13/11	5062		08:01:34	26.8		08:01:35	Unremarkable
22	06/20/11	5062		08:07:50	27.5		08:07:51	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	11/01/11	1		08:00:00	41.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 61  
ANIMAL ID: 825

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:06:07	22.7			
9	06/07/11	5062		09:11:43	24.9		09:11:44	Unremarkable
15	06/13/11	5062		08:01:46	25.3		08:01:47	Unremarkable
22	06/20/11	5062		08:08:02	26.8		08:08:04	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:59:07	27.2		06:59:07	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 62  
ANIMAL ID: 826

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:06:25	22.2			
9	06/07/11	5062		09:12:00	24.9		09:12:00	Unremarkable
15	06/13/11	5062		08:01:56	26.2		08:01:56	Unremarkable
22	06/20/11	5062		08:08:14	26.7		08:08:15	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:52	25.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 62  
ANIMAL ID: 827

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:06:33	21.8			
9	06/07/11	5062		09:12:08	24.0		09:12:08	Unremarkable
15	06/13/11	5062		08:02:09	25.2		08:02:10	Unremarkable
22	06/20/11	5062		08:08:25	26.2		08:08:27	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:50	26.6			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 62  
ANIMAL ID: 828

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:06:42	21.2			
9	06/07/11	5062		09:12:19	23.2		09:12:19	Unremarkable
15	06/13/11	5062		08:02:19	23.8		08:02:20	Unremarkable
22	06/20/11	5062		08:08:40	25.5		08:08:40	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:59:26	26.6		06:59:26	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 62  
ANIMAL ID: 829

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:06:55	22.5			
9	06/07/11	5062		09:12:46	25.6		09:12:47	Unremarkable
15	06/13/11	5062		08:02:34	26.1		08:02:35	Unremarkable
22	06/20/11	5062		08:08:53	26.9		08:08:56	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:52	26.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 62  
ANIMAL ID: 830

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:07:05	23.8			
9	06/07/11	5062		09:12:57	25.4		09:12:58	Unremarkable
15	06/13/11	5062		08:02:46	26.1		08:02:47	Unremarkable
22	06/20/11	5062		08:09:02	26.6		08:09:03	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		06:59:59	27.5		06:59:59	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 63  
ANIMAL ID: 831

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:07:18	22.0			
9	06/07/11	5062		09:13:09	24.4		09:13:09	Unremarkable
15	06/13/11	5062		08:03:02	25.5		08:03:03	Unremarkable
22	06/20/11	5062		08:09:20	26.5		08:09:21	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:32	33.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 63  
ANIMAL ID: 832

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:07:28	21.4			
9	06/07/11	5062		09:13:26	23.4		09:13:26	Unremarkable
15	06/13/11	5062		08:03:13	24.3		08:03:13	Unremarkable
22	06/20/11	5062		08:09:28	25.5		08:09:29	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:32	28.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 63  
ANIMAL ID: 833

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:07:39	21.5			
9	06/07/11	5062		09:13:39	24.5		09:13:39	Unremarkable
15	06/13/11	5062		08:03:23	25.2		08:03:24	Unremarkable
22	06/20/11	5062		08:09:45	25.7		08:09:45	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:32	28.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 63  
ANIMAL ID: 834

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:07:55	20.9			
9	06/07/11	5062		09:13:53	23.6		09:13:54	Unremarkable
15	06/13/11	5062		08:03:34	23.8		08:03:34	Unremarkable
22	06/20/11	5062		08:09:53	24.8		08:09:54	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		07:00:24	26.7		07:00:24	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 63  
ANIMAL ID: 835

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:08:14	23.1			
9	06/07/11	5062		09:14:07	25.7		09:14:07	Unremarkable
15	06/13/11	5062		08:03:46	26.4		08:03:46	Unremarkable
22	06/20/11	5062		08:10:07	28.1		08:10:07	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:52	29.2			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 71  
ANIMAL ID: 1001

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:23:05	20.7			
9	06/07/11	5062		09:34:32	24.0		09:34:43	Unremarkable
15	06/13/11	5062		08:17:35	24.9		08:18:13	Unremarkable
22	06/20/11	5062		08:28:00	25.9		08:28:02	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:56	25.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 71  
ANIMAL ID: 1002

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:22:06	22.2			
9	06/07/11	5062		09:34:59	24.7		09:34:59	Unremarkable
15	06/13/11	5062		08:18:29	25.5		08:18:29	Unremarkable
22	06/20/11	5062		08:28:09	26.4		08:28:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:54	27.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 71  
ANIMAL ID: 1003

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:22:29	24.6			
9	06/07/11	5062		09:35:09	26.6		09:35:10	Unremarkable
15	06/13/11	5062		08:18:39	28.1		08:18:39	Unremarkable
22	06/20/11	5062		08:28:23	29.4		08:28:24	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		07:01:56	31.6		07:01:56	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 71  
ANIMAL ID: 1004

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:22:42	23.1			
9	06/07/11	5062		09:35:18	25.6		09:35:19	Unremarkable
15	06/13/11	5062		08:18:47	25.9		08:18:48	Unremarkable
22	06/20/11	5062		08:28:33	27.7		08:28:33	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		07:02:17	28.4		07:02:17	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 71  
ANIMAL ID: 1005

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:22:51	22.8			
9	06/07/11	5062		09:35:28	25.8		09:35:29	Unremarkable
15	06/13/11	5062		08:18:58	26.1		08:18:59	Unremarkable
22	06/20/11	5062		08:28:47	26.5		08:28:48	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	11/01/11	1		08:00:00	44.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 72  
ANIMAL ID: 1006

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:23:17	21.2			
9	06/07/11	5062		09:35:41	24.0		09:35:42	Unremarkable
15	06/13/11	5062		08:19:09	25.3		08:19:09	Unremarkable
22	06/20/11	5062		08:28:55	25.8		08:28:56	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:34	31.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 72  
ANIMAL ID: 1007

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:23:28	22.4			
9	06/07/11	5062		09:35:52	25.1		09:35:52	Unremarkable
15	06/13/11	5062		08:19:18	25.7		08:19:18	Unremarkable
22	06/20/11	5062		08:29:17	26.9		08:29:18	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:58	25.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 72  
ANIMAL ID: 1008

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:23:37	21.4			
9	06/07/11	5062		09:36:02	23.9		09:36:04	Unremarkable
15	06/13/11	5062		08:19:28	24.9		08:19:29	Unremarkable
22	06/20/11	5062		08:29:25	25.7		08:29:27	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	40.8			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 72  
ANIMAL ID: 1009

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:23:53	21.0			
9	06/07/11	5062		09:37:30	23.4		09:36:19	Unremarkable
15	06/13/11	5062		08:20:06	24.0		08:20:07	Unremarkable
22	06/20/11	5062		08:29:50	24.8		08:29:50	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:56	24.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 72  
ANIMAL ID: 1010

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:24:06	22.5			
9	06/07/11	5062		09:37:03	24.7		09:37:06	Unremarkable
15	06/13/11	5062		08:20:24	26.1		08:20:25	Unremarkable
22	06/20/11	5062		08:29:57	26.8		08:29:58	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:00:58	25.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 73  
ANIMAL ID: 1011

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:24:20	24.1			
9	06/07/11	5062		09:37:46	27.5		09:37:47	Unremarkable
15	06/13/11	5062		08:20:35	28.8		08:20:35	Unremarkable
22	06/20/11	5062		08:30:22	29.8		08:30:22	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:01:00	27.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 73  
ANIMAL ID: 1012

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:24:29	22.1			
9	06/07/11	5062		09:37:58	23.8		09:37:58	Unremarkable
15	06/13/11	5062		08:20:47	24.7		08:20:48	Unremarkable
22	06/20/11	5062		08:30:31	25.7		08:30:31	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:01:00	24.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 73  
ANIMAL ID: 1013

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:24:44	23.6			
9	06/07/11	5062		09:38:09	27.3		09:38:09	Unremarkable
15	06/13/11	5062		08:20:56	29.1		08:20:56	Unremarkable
22	06/20/11	5062		08:30:43	30.1		08:30:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:01:00	28.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 73  
ANIMAL ID: 1014

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:24:55	22.0			
9	06/07/11	5062		09:38:18	25.0		09:38:18	Unremarkable
15	06/13/11	5062		08:21:04	26.1		08:21:05	Unremarkable
22	06/20/11	5062		08:30:51	27.2		08:30:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	42.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 73  
ANIMAL ID: 1015

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:25:06	23.1			
9	06/07/11	5062		09:38:40	24.0		09:38:44	Unremarkable
15	06/13/11	5062		08:21:15	24.9		08:21:15	Unremarkable
22	06/20/11	5062		08:31:05	26.0		08:31:06	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		07:04:30	27.6		07:04:30	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 74  
ANIMAL ID: 1016

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:25:16	23.2			
9	06/07/11	5062		09:38:55	25.4		09:38:56	Unremarkable
15	06/13/11	5062		08:21:26	26.6		08:21:26	Unremarkable
22	06/20/11	5062		08:31:15	28.2		08:31:16	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:36	32.2			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 74  
ANIMAL ID: 1017

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:25:26	21.1			
9	06/07/11	5062		09:39:05	23.7		09:39:06	Unremarkable
15	06/13/11	5062		08:21:35	24.2		08:21:36	Unremarkable
22	06/20/11	5062		08:31:31	25.6		08:31:32	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		07:04:54	25.7		07:04:54	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 74  
ANIMAL ID: 1018

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:25:37	23.5			
9	06/07/11	5062		09:39:15	25.5		09:39:15	Unremarkable
15	06/13/11	5062		08:21:46	26.2		08:21:47	Unremarkable
22	06/20/11	5062		08:31:40	27.8		08:31:40	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		07:05:12	29.2		07:05:12	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 74  
ANIMAL ID: 1019

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:25:53	22.9			
9	06/07/11	5062		09:39:30	25.8		09:39:31	Unremarkable
15	06/13/11	5062		08:22:06	26.9		08:22:06	Unremarkable
22	06/20/11	5062		08:31:57	27.5		08:31:57	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:01:02	26.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 74  
ANIMAL ID: 1020

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:26:02	21.6			
9	06/07/11	5062		09:39:56	23.8		09:39:56	Unremarkable
15	06/13/11	5062		08:22:15	24.1		08:22:15	Unremarkable
22	06/20/11	5062		08:32:05	24.8		08:32:05	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:01:02	23.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 75  
ANIMAL ID: 1021

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:26:14	20.5			
9	06/07/11	5062		09:40:11	23.1		09:40:12	Unremarkable
15	06/13/11	5062		08:22:26	24.2		08:22:27	Unremarkable
22	06/20/11	5062		08:32:21	25.0		08:32:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:00:58	26.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 75  
ANIMAL ID: 1022

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:26:28	21.5			
9	06/07/11	5062		09:40:23	23.8		09:40:23	Unremarkable
15	06/13/11	5062		08:22:39	25.0		08:22:39	Unremarkable
22	06/20/11	5062		08:32:34	26.1		08:32:34	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	11/01/11	1		08:00:00	39.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 75  
ANIMAL ID: 1023

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:26:37	22.5			
9	06/07/11	5062		09:40:34	24.5		09:40:35	Unremarkable
15	06/13/11	5062		08:22:49	25.4		08:22:49	Unremarkable
22	06/20/11	5062		08:32:45	26.5		08:32:47	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		07:05:40	27.3		07:05:40	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 75  
ANIMAL ID: 1024

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:26:52	22.1			
9	06/07/11	5062		09:40:45	25.5		09:40:46	Unremarkable
15	06/13/11	5062		08:22:58	27.1		08:22:59	Unremarkable
22	06/20/11	5062		08:32:54	27.8		08:32:55	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	11/01/11	1		08:00:00	43.4			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 75  
ANIMAL ID: 1025

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:27:03	21.8			
9	06/07/11	5062		09:41:09	23.6		09:41:10	Unremarkable
15	06/13/11	5062		08:23:09	24.5		08:23:09	Unremarkable
22	06/20/11	5062		08:33:10	25.3		08:33:11	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		07:05:58	26.7		07:05:58	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 76  
ANIMAL ID: 1026

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:27:14	24.3			
9	06/07/11	5062		09:41:21	26.5		09:41:22	Unremarkable
15	06/13/11	5062		08:23:20	28.1		08:23:21	Unremarkable
22	06/20/11	5062		08:33:19	28.7		08:33:22	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:01:04	27.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 76  
ANIMAL ID: 1027

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:27:24	20.2			
9	06/07/11	5062		09:41:48	21.5		09:41:50	Unremarkable
15	06/13/11	5062		08:23:34	22.5		08:23:35	Unremarkable
22	06/20/11	5062		08:33:36	23.3		08:33:45	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:59:00	23.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 76  
ANIMAL ID: 1028

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:27:35	22.5			
9	06/07/11	5062		09:42:04	25.5		09:42:04	Unremarkable
15	06/13/11	5062		08:23:54	26.0		08:23:54	Unremarkable
22	06/20/11	5062		08:33:59	27.0		08:33:59	Unremarkable
REMOVED ** REASON - TSAC								
31	06/29/11	5062		07:06:20	27.4		07:06:20	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 76  
ANIMAL ID: 1029

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:27:45	23.6			
9	06/07/11	5062		09:43:20	25.7		09:43:22	Unremarkable
15	06/13/11	5062		08:24:21	26.9		08:24:22	Unremarkable
22	06/20/11	5062		08:34:16	28.7		08:34:17	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/28/11	1		09:01:04	27.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 76  
ANIMAL ID: 1030

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:27:54	21.8			
9	06/07/11	5062		09:43:38	24.2		09:43:38	Unremarkable
15	06/13/11	5062		08:24:31	25.2		08:24:31	Unremarkable
22	06/20/11	5062		08:34:30	25.9		08:34:32	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		07:06:41	27.4		07:06:41	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 77  
ANIMAL ID: 1031

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:28:11	22.3			
9	06/07/11	5062		09:44:07	24.5		09:44:07	Unremarkable
15	06/13/11	5062		08:24:42	25.8		08:24:42	Unremarkable
22	06/20/11	5062		08:35:09	26.9		08:35:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:38	32.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 77  
ANIMAL ID: 1032

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:28:21	23.4			
9	06/07/11	5062		09:44:18	25.3		09:44:19	Unremarkable
15	06/13/11	5062		08:24:52	25.5		08:24:52	Unremarkable
22	06/20/11	5062		08:35:19	26.3		08:35:20	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:38	30.9			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 77  
ANIMAL ID: 1033

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:28:31	22.2			
9	06/07/11	5062		09:44:29	24.5		09:44:30	Unremarkable
15	06/13/11	5062		08:25:01	25.2		08:25:01	Unremarkable
22	06/20/11	5062		08:35:33	26.5		08:35:34	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/09/11	1		08:00:38	29.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 77  
ANIMAL ID: 1034

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:28:39	22.3			
9	06/07/11	5062		09:44:59	24.6		09:44:59	Unremarkable
15	06/13/11	5062		08:25:18	25.7		08:25:18	Unremarkable
22	06/20/11	5062		08:35:51	26.0		08:35:52	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/29/11	5062		07:07:15	27.1		07:07:15	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 77  
ANIMAL ID: 1035

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:28:52	22.6			
9	06/07/11	5062		09:45:11	25.3		09:45:11	Unremarkable
15	06/13/11	5062		08:25:29	26.5		08:25:30	Unremarkable
22	06/20/11	5062		08:36:04	27.6		08:36:05	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/12/11	1		09:01:00	26.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 8  
ANIMAL ID: 101

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:29:32	19.0			
9	06/07/11	5062		06:27:02	21.7		06:27:03	Unremarkable
15	06/13/11	5062		06:27:58	21.5		06:28:03	Unremarkable
22	06/20/11	5062		06:27:48	22.5		06:27:48	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:02	21.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 8  
ANIMAL ID: 102

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:29:55	20.7			
9	06/07/11	5062		06:27:13	23.1		06:27:14	Unremarkable
15	06/13/11	5062		06:28:22	22.8		06:28:24	Unremarkable
22	06/20/11	5062		06:28:00	23.4		06:28:00	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:02	25.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 8  
ANIMAL ID: 103

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:30:14	20.8			
9	06/07/11	5062		06:27:30	23.4		06:27:31	Unremarkable
15	06/13/11	5062		06:28:52	24.8		06:28:55	Unremarkable
22	06/20/11	5062		06:28:13	25.2		06:28:14	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:21:36	25.6		06:21:36	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 8  
ANIMAL ID: 104

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:30:37	19.0			
9	06/07/11	5062		06:27:43	20.9		06:27:44	Unremarkable
15	06/13/11	5062		06:29:07	20.9		06:29:08	Unremarkable
22	06/20/11	5062		06:28:24	22.8		06:28:25	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:22:14	23.2		06:22:14	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 8  
ANIMAL ID: 105

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:30:50	19.3			
9	06/07/11	5062		06:28:01	21.6		06:28:03	Unremarkable
15	06/13/11	5062		06:29:21	22.5		06:29:24	Unremarkable
22	06/20/11	5062		06:28:44	22.2		06:28:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	38.2			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 9  
ANIMAL ID: 106

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:31:07	19.3			
9	06/07/11	5062		06:28:18	21.4		06:28:19	Unremarkable
15	06/13/11	5062		06:29:37	21.4		06:29:37	Unremarkable
22	06/20/11	5062		06:29:03	22.7		06:29:03	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:02	26.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 9  
ANIMAL ID: 107

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:31:27	19.5			
9	06/07/11	5062		06:28:31	22.7		06:28:31	Unremarkable
15	06/13/11	5062		06:29:48	22.5		06:29:49	Unremarkable
22	06/20/11	5062		06:29:20	22.9		06:29:21	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:04	21.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 9  
ANIMAL ID: 108

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:31:39	19.5			
9	06/07/11	5062		06:28:46	21.6		06:28:47	Unremarkable
15	06/13/11	5062		06:30:04	21.7		06:30:05	Unremarkable
22	06/20/11	5062		06:29:35	23.4		06:29:36	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	37.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 9  
ANIMAL ID: 109

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:32:08	17.5			
9	06/07/11	5062		06:29:06	20.6		06:29:07	Unremarkable
15	06/13/11	5062		06:30:15	20.6		06:30:15	Unremarkable
22	06/20/11	5062		06:29:59	22.2		06:29:59	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:04	23.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 9  
ANIMAL ID: 110

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:32:24	17.2			
9	06/07/11	5062		06:29:22	19.8		06:29:23	Unremarkable
15	06/13/11	5062		06:30:31	20.1		06:30:32	Unremarkable
22	06/20/11	5062		06:30:24	21.9		06:30:24	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:04	20.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 10  
ANIMAL ID: 111

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:32:52	19.1			
9	06/07/11	5062		06:30:01	21.4		06:30:02	Unremarkable
15	06/13/11	5062		06:30:42	21.7		06:30:44	Unremarkable
22	06/20/11	5062		06:30:41	23.1		06:30:41	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:06	22.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 10  
ANIMAL ID: 112

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:33:12	19.1			
9	06/07/11	5062		06:30:24	22.6		06:30:25	Unremarkable
15	06/13/11	5062		06:31:03	23.2		06:31:04	Unremarkable
22	06/20/11	5062		06:30:52	24.9		06:30:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:06	21.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 10  
ANIMAL ID: 113

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:33:30	18.5			
9	06/07/11	5062		06:30:46	21.5		06:30:49	Unremarkable
15	06/13/11	5062		06:31:14	21.2		06:31:14	Unremarkable
22	06/20/11	5062		06:31:06	23.3		06:31:06	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:06	21.3			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 10  
ANIMAL ID: 114

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:33:47	19.3			
9	06/07/11	5062		06:31:00	20.3		06:31:05	Unremarkable
15	06/13/11	5062		06:31:49	22.2		06:31:49	Unremarkable
22	06/20/11	5062		06:31:19	23.2		06:31:20	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	11/02/11	1		08:00:00	35.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 10  
ANIMAL ID: 115

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:34:03	17.6			
9	06/07/11	5062		06:31:34	19.2		06:31:37	Unremarkable
15	06/13/11	5062		06:31:58	20.2		06:31:59	Unremarkable
22	06/20/11	5062		06:31:35	20.8		06:31:35	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:22:42	23.4		06:22:42	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 11  
ANIMAL ID: 116

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:34:21	20.3			
9	06/07/11	5062		06:31:51	21.6		06:31:53	Unremarkable
15	06/13/11	5062		06:32:10	22.7		06:32:10	Unremarkable
22	06/20/11	5062		06:32:08	23.9		06:32:08	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:04	27.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 11  
ANIMAL ID: 117

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:34:39	18.9			
9	06/07/11	5062		06:32:10	20.4		06:32:12	Unremarkable
15	06/13/11	5062		06:32:24	21.4		06:32:25	Unremarkable
22	06/20/11	5062		06:32:18	21.9		06:32:19	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:23:31	22.6		06:23:31	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 11  
ANIMAL ID: 118

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:35:03	19.4			
9	06/07/11	5062		06:32:25	21.2		06:32:26	Unremarkable
15	06/13/11	5062		06:32:38	22.4		06:32:38	Unremarkable
22	06/20/11	5062		06:32:34	23.3		06:32:34	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:23:49	24.6		06:23:49	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 11  
ANIMAL ID: 119

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:35:18	19.4			
9	06/07/11	5062		06:32:53	22.6		06:32:55	Unremarkable
15	06/13/11	5062		06:32:49	21.9		06:32:50	Unremarkable
22	06/20/11	5062		06:32:55	23.6		06:32:56	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:08	21.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 11  
ANIMAL ID: 120

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:35:39	19.9			
9	06/07/11	5062		06:33:11	22.1		06:33:12	Unremarkable
15	06/13/11	5062		06:33:00	22.0		06:33:01	Unremarkable
22	06/20/11	5062		06:33:18	24.2		06:33:19	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:08	22.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 12  
ANIMAL ID: 121

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:36:06	18.4			
9	06/07/11	5062		06:33:38	21.0		06:33:39	Unremarkable
15	06/13/11	5062		06:33:12	22.6		06:33:12	Unremarkable
22	06/20/11	5062		06:33:41	23.9		06:33:42	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:10	24.2			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 12  
ANIMAL ID: 122

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:36:24	20.9			
9	06/07/11	5062		06:33:48	22.9		06:33:50	Unremarkable
15	06/13/11	5062		06:33:29	22.7		06:33:29	Unremarkable
22	06/20/11	5062		06:33:54	24.0		06:33:54	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	35.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 12  
ANIMAL ID: 123

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:36:43	19.1			
9	06/07/11	5062		06:34:11	20.9		06:34:12	Unremarkable
15	06/13/11	5062		06:33:40	21.1		06:33:41	Unremarkable
22	06/20/11	5062		06:34:10	23.2		06:34:11	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:24:19	23.9		06:24:19	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 12  
ANIMAL ID: 124

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:37:03	21.3			
9	06/07/11	5062		06:34:22	22.9		06:34:23	Unremarkable
15	06/13/11	5062		06:33:50	23.1		06:33:51	Unremarkable
22	06/20/11	5062		06:34:38	24.5		06:34:38	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	40.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 12  
ANIMAL ID: 125

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:37:19	18.7			
9	06/07/11	5062		06:34:40	20.2		06:34:41	Unremarkable
15	06/13/11	5062		06:34:01	21.9		06:34:02	Unremarkable
22	06/20/11	5062		06:34:56	22.6		06:34:56	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:24:38	23.0		06:24:38	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 13  
ANIMAL ID: 126

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:37:41	18.8			
9	06/07/11	5062		06:35:00	21.1		06:35:01	Unremarkable
15	06/13/11	5062		06:34:14	20.5		06:34:15	Unremarkable
22	06/20/11	5062		06:35:10	22.3		06:35:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:10	21.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 13  
ANIMAL ID: 127

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:38:00	19.8			
9	06/07/11	5062		06:35:47	21.5		06:35:51	Unremarkable
15	06/13/11	5062		06:34:27	22.4		06:34:29	Unremarkable
22	06/20/11	5062		06:35:27	22.4		06:35:27	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:12	23.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 13  
ANIMAL ID: 128

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:38:16	19.8			
9	06/07/11	5062		06:36:02	22.5		06:36:03	Unremarkable
15	06/13/11	5062		06:34:42	23.5		06:34:42	Unremarkable
22	06/20/11	5062		06:35:39	24.4		06:35:39	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:25:19	26.3		06:25:19	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 13  
ANIMAL ID: 129

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:38:37	18.6			
9	06/07/11	5062		06:36:24	20.7		06:36:25	Unremarkable
15	06/13/11	5062		06:34:55	22.8		06:34:56	Unremarkable
22	06/20/11	5062		06:35:56	23.3		06:35:57	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:10	22.0			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 13  
ANIMAL ID: 130

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:38:52	17.5			
9	06/07/11	5062		06:36:50	19.7		06:36:51	Unremarkable
15	06/13/11	5062		06:35:06	21.3		06:35:07	Unremarkable
22	06/20/11	5062		06:36:26	22.4		06:36:36	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:25:34	24.4		06:25:34	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 14  
ANIMAL ID: 131

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:39:12	19.0			
9	06/07/11	5062		06:37:13	21.3		06:37:14	Unremarkable
15	06/13/11	5062		06:35:20	22.7		06:35:20	Unremarkable
22	06/20/11	5062		06:36:52	23.4		06:36:52	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:06	25.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 14  
ANIMAL ID: 132

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:39:36	18.2			
9	06/07/11	5062		06:37:26	20.9		06:37:26	Unremarkable
15	06/13/11	5062		06:35:31	21.9		06:35:31	Unremarkable
22	06/20/11	5062		06:37:19	22.3		06:37:19	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:06	23.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 14  
ANIMAL ID: 133

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:39:52	17.7			
9	06/07/11	5062		06:37:39	20.6		06:37:39	Unremarkable
15	06/13/11	5062		06:35:41	22.2		06:35:41	Unremarkable
22	06/20/11	5062		06:37:33	22.4		06:37:33	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:06	25.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 14  
ANIMAL ID: 134

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:40:12	20.0			
9	06/07/11	5062		06:37:51	24.4		06:37:52	Unremarkable
15	06/13/11	5062		06:35:53	24.0		06:35:53	Unremarkable
22	06/20/11	5062		06:37:46	25.3		06:37:47	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:26:03	27.4		06:26:03	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 14  
ANIMAL ID: 135

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:40:37	18.1			
9	06/07/11	5062		06:38:09	20.8		06:38:11	Unremarkable
15	06/13/11	5062		06:36:05	20.8		06:36:05	Unremarkable
22	06/20/11	5062		06:38:10	23.9		06:38:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:14	22.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 22  
ANIMAL ID: 301

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:57:22	19.8			
9	06/07/11	5062		07:17:48	21.7		07:17:50	Unremarkable
15	06/13/11	5062		06:58:38	22.1		06:58:39	Unremarkable
22	06/20/11	5062		06:55:37	23.2		06:55:37	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:12	21.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 22  
ANIMAL ID: 302

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:57:40	17.6			
9	06/07/11	5062		07:17:57	19.8		07:17:58	Unremarkable
15	06/13/11	5062		06:58:54	21.5		06:58:55	Unremarkable
22	06/20/11	5062		06:55:45	22.5		06:55:45	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:16	21.9			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 22  
ANIMAL ID: 303

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:57:56	18.9			
9	06/07/11	5062		07:18:28	20.7		07:18:33	Unremarkable
15	06/13/11	5062		06:59:10	22.4		06:59:10	Unremarkable
22	06/20/11	5062		06:55:58	22.9		06:55:59	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:36:33	24.9		06:36:33	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 22  
ANIMAL ID: 304

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:58:12	18.5			
9	06/07/11	5062		07:18:41	21.7		07:18:43	Unremarkable
15	06/13/11	5062		06:59:28	22.8		06:59:28	Unremarkable
22	06/20/11	5062		06:56:17	22.5		06:56:18	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:36:54	23.8		06:36:54	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 22  
ANIMAL ID: 305

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:58:32	18.3			
9	06/07/11	5062		07:19:09	20.2		07:19:10	Unremarkable
15	06/13/11	5062		06:59:38	20.8		06:59:39	Unremarkable
22	06/20/11	5062		06:56:27	21.5		06:56:28	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	11/02/11	1		08:00:00	35.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 23  
ANIMAL ID: 306

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:58:52	19.7			
9	06/07/11	5062		07:19:29	20.6		07:19:31	Unremarkable
15	06/13/11	5062		06:59:54	20.6		06:59:55	Unremarkable
22	06/20/11	5062		06:56:43	22.0		06:56:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:08	23.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 23  
ANIMAL ID: 307

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:59:10	19.5			
9	06/07/11	5062		07:19:54	21.0		07:19:58	Unremarkable
15	06/13/11	5062		07:00:05	22.7		07:00:06	Unremarkable
22	06/20/11	5062		06:56:56	22.9		06:56:57	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:14	22.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 23  
ANIMAL ID: 308

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:59:43	19.4			
9	06/07/11	5062		07:20:17	20.6		07:20:19	Unremarkable
15	06/13/11	5062		07:00:15	21.8		07:00:16	Unremarkable
22	06/20/11	5062		06:57:13	22.5		06:57:17	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	37.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 23  
ANIMAL ID: 309

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		06:59:59	17.6			
9	06/07/11	5062		07:20:34	19.5		07:20:35	Unremarkable
15	06/13/11	5062		07:00:29	21.4		07:00:30	Unremarkable
22	06/20/11	5062		06:57:28	21.0		06:57:29	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:18	21.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 23  
ANIMAL ID: 310

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:00:19	18.7			
9	06/07/11	5062		07:21:04	20.2		07:21:12	Unremarkable
15	06/13/11	5062		07:00:43	23.0		07:00:43	Unremarkable
22	06/20/11	5062		06:57:39	22.8		06:57:40	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:14	22.4			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 24  
ANIMAL ID: 311

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:00:38	20.1			
9	06/07/11	5062		07:21:19	22.4		07:21:20	Unremarkable
15	06/13/11	5062		07:00:59	23.9		07:00:59	Unremarkable
22	06/20/11	5062		06:57:52	25.0		06:57:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:16	23.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 24  
ANIMAL ID: 312

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:00:53	19.5			
9	06/07/11	5062		07:21:43	20.8		07:21:46	Unremarkable
15	06/13/11	5062		07:01:14	21.6		07:01:15	Unremarkable
22	06/20/11	5062		06:58:05	22.9		06:58:06	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:16	22.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 24  
ANIMAL ID: 313

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:01:08	21.1			
9	06/07/11	5062		07:22:04	22.6		07:22:04	Unremarkable
15	06/13/11	5062		07:01:25	24.5		07:01:26	Unremarkable
22	06/20/11	5062		06:58:15	25.0		06:58:15	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/29/11	1		09:00:16	23.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 24  
ANIMAL ID: 314

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:01:31	18.7			
9	06/07/11	5062		07:22:14	21.0		07:22:15	Unremarkable
15	06/13/11	5062		07:01:36	21.4		07:01:37	Unremarkable
22	06/20/11	5062		06:58:27	22.7		06:58:27	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	34.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 24  
ANIMAL ID: 315

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:01:47	18.0			
9	06/07/11	5062		07:22:31	20.9		07:22:32	Unremarkable
15	06/13/11	5062		07:01:49	22.1		07:01:49	Unremarkable
22	06/20/11	5062		06:58:37	22.7		06:58:38	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:37:20	23.2		06:37:20	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 25  
ANIMAL ID: 316

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:02:00	18.3			
9	06/07/11	5062		07:22:50	19.9		07:22:51	Unremarkable
15	06/13/11	5062		07:02:02	21.3		07:02:03	Unremarkable
22	06/20/11	5062		06:59:16	20.8		06:59:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:10	22.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 25  
ANIMAL ID: 317

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:02:21	18.8			
9	06/07/11	5062		07:23:09	19.8		07:23:09	Unremarkable
15	06/13/11	5062		07:02:15	19.8		07:02:15	Unremarkable
22	06/20/11	5062		06:59:47	21.7		06:59:47	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:38:00	21.9		06:38:00	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 25  
ANIMAL ID: 318

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:03:54	19.2			
9	06/07/11	5062		07:23:22	21.8		07:23:26	Unremarkable
15	06/13/11	5062		07:02:27	22.1		07:02:27	Unremarkable
22	06/20/11	5062		07:00:04	22.3		07:00:04	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:38:34	25.1		06:38:34	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 25  
ANIMAL ID: 319

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:04:06	17.9			
9	06/07/11	5062		07:24:07	20.2		07:24:08	Unremarkable
15	06/13/11	5062		07:02:38	20.9		07:02:38	Unremarkable
22	06/20/11	5062		07:00:31	21.2		07:00:31	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:18	20.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 25  
ANIMAL ID: 320

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:04:29	17.5			
9	06/07/11	5062		07:24:59	20.8		07:25:00	Unremarkable
15	06/13/11	5062		07:02:51	22.8		07:02:52	Unremarkable
22	06/20/11	5062		07:00:39	22.4		07:00:40	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:18	21.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 26  
ANIMAL ID: 321

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:08:42	18.1			
9	06/07/11	5062		07:25:23	21.0		07:25:29	Unremarkable
15	06/13/11	5062		07:03:04	22.3		07:03:04	Unremarkable
22	06/20/11	5062		07:01:06	24.6		07:01:06	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:20	22.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 26  
ANIMAL ID: 322

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:08:57	18.5			
9	06/07/11	5062		07:25:44	20.0		07:25:46	Unremarkable
15	06/13/11	5062		07:03:25	21.3		07:03:25	Unremarkable
22	06/20/11	5062		07:01:16	21.7		07:01:17	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	11/02/11	1		08:00:00	36.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 26  
ANIMAL ID: 323

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:09:12	19.8			
9	06/07/11	5062		07:26:01	21.7		07:26:04	Unremarkable
15	06/13/11	5062		07:03:37	22.8		07:03:37	Unremarkable
22	06/20/11	5062		07:01:30	23.6		07:01:33	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:39:11	24.3		06:39:11	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 26  
ANIMAL ID: 324

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:09:35	19.0			
9	06/07/11	5062		07:26:19	21.4		07:26:19	Unremarkable
15	06/13/11	5062		07:03:52	22.6		07:03:52	Unremarkable
22	06/20/11	5062		07:01:43	23.4		07:01:43	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	42.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 26  
ANIMAL ID: 325

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:09:44	18.6			
9	06/07/11	5062		07:26:36	20.3		07:26:37	Unremarkable
15	06/13/11	5062		07:04:03	22.2		07:04:03	Unremarkable
22	06/20/11	5062		07:01:56	22.4		07:01:58	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:39:37	23.4		06:39:37	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 27  
ANIMAL ID: 326

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:10:05	21.4			
9	06/07/11	5062		07:26:57	21.8		07:26:57	Unremarkable
15	06/13/11	5062		07:04:17	21.9		07:04:17	Unremarkable
22	06/20/11	5062		07:02:08	24.2		07:02:09	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:20	22.3			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 27  
ANIMAL ID: 327

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:10:20	19.7			
9	06/07/11	5062		07:27:11	21.6		07:27:11	Unremarkable
15	06/13/11	5062		07:04:34	22.5		07:04:34	Unremarkable
22	06/20/11	5062		07:02:23	24.0		07:02:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:01:02	23.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 27  
ANIMAL ID: 328

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:10:35	19.4			
9	06/07/11	5062		07:27:26	22.5		07:27:28	Unremarkable
15	06/13/11	5062		07:04:47	22.3		07:04:47	Unremarkable
22	06/20/11	5062		07:02:32	23.8		07:02:32	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:40:03	25.5		06:40:03	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 27  
ANIMAL ID: 329

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:10:51	21.0			
9	06/07/11	5062		07:27:50	22.1		07:27:52	Unremarkable
15	06/13/11	5062		07:04:57	22.9		07:04:58	Unremarkable
22	06/20/11	5062		07:02:42	23.8		07:02:42	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/29/11	1		09:00:20	22.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 27  
ANIMAL ID: 330

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:11:05	19.9			
9	06/07/11	5062		07:28:08	22.0		07:28:09	Unremarkable
15	06/13/11	5062		07:05:09	22.1		07:05:10	Unremarkable
22	06/20/11	5062		07:02:53	22.6		07:02:53	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:40:21	24.9		06:40:21	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 28  
ANIMAL ID: 331

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:11:32	20.0			
9	06/07/11	5062		07:28:30	22.8		07:28:30	Unremarkable
15	06/13/11	5062		07:05:21	24.6		07:05:22	Unremarkable
22	06/20/11	5062		07:03:09	24.8		07:03:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:12	26.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 28  
ANIMAL ID: 332

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:11:44	18.5			
9	06/07/11	5062		07:28:43	20.7		07:28:44	Unremarkable
15	06/13/11	5062		07:05:37	22.3		07:05:38	Unremarkable
22	06/20/11	5062		07:03:18	22.9		07:03:21	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:12	23.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 28  
ANIMAL ID: 333

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:11:59	17.5			
9	06/07/11	5062		07:29:05	20.2		07:29:06	Unremarkable
15	06/13/11	5062		07:05:48	20.2		07:05:48	Unremarkable
22	06/20/11	5062		07:03:31	22.4		07:03:35	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:12	23.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 28  
ANIMAL ID: 334

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:12:08	19.0			
9	06/07/11	5062		07:29:16	21.7		07:29:16	Unremarkable
15	06/13/11	5062		07:05:59	21.4		07:05:59	Unremarkable
22	06/20/11	5062		07:03:46	22.2		07:03:46	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:40:48	23.6		06:40:48	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 28  
ANIMAL ID: 335

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:12:29	18.7			
9	06/07/11	5062		07:29:44	21.3		07:29:44	Unremarkable
15	06/13/11	5062		07:06:10	23.0		07:06:11	Unremarkable
22	06/20/11	5062		07:04:00	23.6		07:04:00	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:22	24.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 36  
ANIMAL ID: 501

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:29:09	19.2			
9	06/07/11	5062		08:06:26	20.5		08:06:27	Unremarkable
15	06/13/11	5062		07:22:08	21.9		07:22:09	Unremarkable
22	06/20/11	5062		07:24:07	22.9		07:24:08	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:22	22.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 36  
ANIMAL ID: 502

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:29:21	18.2			
9	06/07/11	5062		08:06:35	20.3		08:06:36	Unremarkable
15	06/13/11	5062		07:22:19	20.7		07:22:20	Unremarkable
22	06/20/11	5062		07:24:18	22.1		07:24:18	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:24	22.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 36  
ANIMAL ID: 503

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:29:39	19.1			
9	06/07/11	5062		08:06:48	20.4		08:06:49	Unremarkable
15	06/13/11	5062		07:22:34	20.9		07:22:34	Unremarkable
22	06/20/11	5062		07:24:37	22.1		07:24:37	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:42:05	22.8		06:42:05	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 36  
ANIMAL ID: 504

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:29:51	17.3			
9	06/07/11	5062		08:07:32	22.1		08:07:35	Unremarkable
15	06/13/11	5062		07:22:43	21.6		07:22:44	Unremarkable
22	06/20/11	5062		07:24:47	21.7		07:24:47	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:42:21	23.7		06:42:21	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 36  
ANIMAL ID: 505

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:30:05	21.1			
9	06/07/11	5062		08:07:47	24.0		08:07:48	Unremarkable
15	06/13/11	5062		07:22:57	22.8		07:22:58	Unremarkable
22	06/20/11	5062		07:25:00	24.5		07:25:00	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	42.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 37  
ANIMAL ID: 506

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:30:19	20.0			
9	06/07/11	5062		08:08:02	22.2		08:08:03	Unremarkable
15	06/13/11	5062		07:23:12	22.3		07:23:12	Unremarkable
22	06/20/11	5062		07:25:13	23.5		07:25:13	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:14	25.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 37  
ANIMAL ID: 507

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:30:33	17.8			
9	06/07/11	5062		08:08:26	21.2		08:08:26	Unremarkable
15	06/13/11	5062		07:23:25	22.3		07:23:25	Unremarkable
22	06/20/11	5062		07:25:30	22.6		07:25:30	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:24	21.4			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 37  
ANIMAL ID: 508

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:30:45	17.7			
9	06/07/11	5062		08:08:41	20.0		08:08:41	Unremarkable
15	06/13/11	5062		07:23:36	21.6		07:23:36	Unremarkable
22	06/20/11	5062		07:25:47	22.1		07:25:48	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	38.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 37  
ANIMAL ID: 509

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:30:58	20.7			
9	06/07/11	5062		08:09:00	22.5		08:09:00	Unremarkable
15	06/13/11	5062		07:23:46	22.9		07:23:47	Unremarkable
22	06/20/11	5062		07:26:06	23.5		07:26:07	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:26	24.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 37  
ANIMAL ID: 510

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:31:25	18.2			
9	06/07/11	5062		08:09:21	21.2		08:09:23	Unremarkable
15	06/13/11	5062		07:23:56	21.0		07:23:57	Unremarkable
22	06/20/11	5062		07:26:20	21.6		07:26:21	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:24	19.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 38  
ANIMAL ID: 511

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:31:41	20.3			
9	06/07/11	5062		08:09:37	23.7		08:09:46	Unremarkable
15	06/13/11	5062		07:24:09	22.9		07:24:09	Unremarkable
22	06/20/11	5062		07:26:40	23.8		07:26:46	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/29/11	1		09:00:26	21.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 38  
ANIMAL ID: 512

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:32:00	18.3			
9	06/07/11	5062		08:10:02	21.1		08:10:07	Unremarkable
15	06/13/11	5062		07:24:18	22.0		07:24:19	Unremarkable
22	06/20/11	5062		07:26:57	23.0		07:27:00	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:26	21.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 38  
ANIMAL ID: 513

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:32:22	18.8			
9	06/07/11	5062		08:10:23	21.7		08:10:24	Unremarkable
15	06/13/11	5062		07:24:28	21.8		07:24:29	Unremarkable
22	06/20/11	5062		07:27:06	22.6		07:27:08	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:26	21.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 38  
ANIMAL ID: 514

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:32:35	20.2			
9	06/07/11	5062		08:10:47	22.1		08:10:49	Unremarkable
15	06/13/11	5062		07:24:41	23.0		07:24:41	Unremarkable
22	06/20/11	5062		07:27:22	23.4		07:27:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	38.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 38  
ANIMAL ID: 515

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:32:50	20.1			
9	06/07/11	5062		08:11:00	21.4		08:11:04	Unremarkable
15	06/13/11	5062		07:24:50	22.6		07:24:50	Unremarkable
22	06/20/11	5062		07:27:48	23.6		07:27:50	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:43:09	24.2		06:43:09	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 39  
ANIMAL ID: 516

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:33:02	21.5			
9	06/07/11	5062		08:11:50	22.4		08:11:50	Unremarkable
15	06/13/11	5062		07:25:03	21.5		07:25:03	Unremarkable
22	06/20/11	5062		07:28:01	23.3		07:28:05	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:16	25.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 39  
ANIMAL ID: 517

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:33:16	19.1			
9	06/07/11	5062		08:11:59	21.9		08:12:00	Unremarkable
15	06/13/11	5062		07:25:13	21.6		07:25:14	Unremarkable
22	06/20/11	5062		07:28:13	22.7		07:28:15	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:43:31	23.3		06:43:31	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 39  
ANIMAL ID: 518

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:33:31	19.3			
9	06/07/11	5062		08:12:16	20.9		08:12:21	Unremarkable
15	06/13/11	5062		07:25:23	21.8		07:25:24	Unremarkable
22	06/20/11	5062		07:28:26	23.4		07:28:26	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:43:54	24.5		06:43:54	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 39  
ANIMAL ID: 519

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:33:46	17.8			
9	06/07/11	5062		08:12:47	20.4		08:12:47	Unremarkable
15	06/13/11	5062		07:25:40	21.7		07:25:40	Unremarkable
22	06/20/11	5062		07:28:59	22.5		07:29:00	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:28	21.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 39  
ANIMAL ID: 520

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:33:58	21.1			
9	06/07/11	5062		08:13:06	24.3		08:13:06	Unremarkable
15	06/13/11	5062		07:25:49	23.9		07:25:50	Unremarkable
22	06/20/11	5062		07:29:14	25.2		07:29:15	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:28	23.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 40  
ANIMAL ID: 521

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:34:13	19.8			
9	06/07/11	5062		08:13:19	22.8		08:13:19	Unremarkable
15	06/13/11	5062		07:26:03	23.2		07:26:03	Unremarkable
22	06/20/11	5062		07:29:32	25.8		07:29:32	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:28	24.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 40  
ANIMAL ID: 522

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:34:24	19.6			
9	06/07/11	5062		08:13:36	20.7		08:13:37	Unremarkable
15	06/13/11	5062		07:26:14	21.0		07:26:14	Unremarkable
22	06/20/11	5062		07:29:40	23.4		07:29:40	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	37.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 40  
ANIMAL ID: 523

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:34:37	20.6			
9	06/07/11	5062		08:13:51	23.7		08:13:51	Unremarkable
15	06/13/11	5062		07:26:27	25.8		07:26:27	Unremarkable
22	06/20/11	5062		07:29:52	25.4		07:29:54	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:44:23	26.8		06:44:23	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 40  
ANIMAL ID: 524

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:34:54	18.1			
9	06/07/11	5062		08:14:02	19.5		08:14:03	Unremarkable
15	06/13/11	5062		07:26:37	20.8		07:26:38	Unremarkable
22	06/20/11	5062		07:30:01	21.9		07:30:01	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	34.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 40  
ANIMAL ID: 525

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:35:07	18.4			
9	06/07/11	5062		08:14:28	19.2		08:14:28	Unremarkable
15	06/13/11	5062		07:26:47	21.0		07:26:48	Unremarkable
22	06/20/11	5062		07:30:13	21.5		07:30:13	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:44:41	23.2		06:44:41	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 41  
ANIMAL ID: 526

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:35:17	18.9			
9	06/07/11	5062		08:14:38	21.2		08:14:39	Unremarkable
15	06/13/11	5062		07:26:59	23.0		07:26:59	Unremarkable
22	06/20/11	5062		07:30:25	24.2		07:30:25	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:30	22.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 41  
ANIMAL ID: 527

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:35:30	19.1			
9	06/07/11	5062		08:15:01	20.1		08:15:01	Unremarkable
15	06/13/11	5062		07:27:12	22.2		07:27:12	Unremarkable
22	06/20/11	5062		07:30:45	22.6		07:30:46	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:01:02	22.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 41  
ANIMAL ID: 528

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:35:48	20.6			
9	06/07/11	5062		08:15:23	22.8		08:15:24	Unremarkable
15	06/13/11	5062		07:27:22	22.3		07:27:23	Unremarkable
22	06/20/11	5062		07:30:54	23.9		07:30:54	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:46:29	25.5		06:46:29	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 41  
ANIMAL ID: 529

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:36:03	19.3			
9	06/07/11	5062		08:15:52	21.5		08:15:55	Unremarkable
15	06/13/11	5062		07:27:33	22.4		07:27:34	Unremarkable
22	06/20/11	5062		07:31:13	24.2		07:31:15	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:30	21.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 41  
ANIMAL ID: 530

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:36:16	19.8			
9	06/07/11	5062		08:16:08	21.2		08:16:09	Unremarkable
15	06/13/11	5062		07:27:44	21.2		07:27:45	Unremarkable
22	06/20/11	5062		07:31:24	22.4		07:31:25	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:46:49	24.4		06:46:49	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 42  
ANIMAL ID: 531

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:36:31	17.1			
9	06/07/11	5062		08:16:28	19.3		08:16:29	Unremarkable
15	06/13/11	5062		07:27:55	20.1		07:27:55	Unremarkable
22	06/20/11	5062		07:31:40	22.2		07:31:40	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:18	23.8			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 42  
ANIMAL ID: 532

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:36:49	19.0			
9	06/07/11	5062		08:16:39	22.3		08:16:40	Unremarkable
15	06/13/11	5062		07:28:07	22.1		07:28:07	Unremarkable
22	06/20/11	5062		07:31:49	23.0		07:31:50	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:18	24.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 42  
ANIMAL ID: 533

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:37:00	18.9			
9	06/07/11	5062		08:17:04	20.6		08:17:06	Unremarkable
15	06/13/11	5062		07:28:16	22.2		07:28:17	Unremarkable
22	06/20/11	5062		07:32:10	22.2		07:32:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:18	25.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 42  
ANIMAL ID: 534

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:37:15	19.3			
9	06/07/11	5062		08:17:16	21.1		08:17:17	Unremarkable
15	06/13/11	5062		07:28:27	23.4		07:28:27	Unremarkable
22	06/20/11	5062		07:32:18	24.1		07:32:18	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:47:18	26.2		06:47:18	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 42  
ANIMAL ID: 535

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:37:37	17.7			
9	06/07/11	5062		08:17:31	18.8		08:17:31	Unremarkable
15	06/13/11	5062		07:28:37	20.2		07:28:37	Unremarkable
22	06/20/11	5062		07:32:33	20.4		07:32:33	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:30	20.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 50  
ANIMAL ID: 701

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:50:11	18.2			
9	06/07/11	5062		08:51:20	18.9		08:51:20	Unremarkable
15	06/13/11	5062		07:44:24	20.3		07:44:24	Unremarkable
22	06/20/11	5062		07:47:50	21.3		07:47:50	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:32	20.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 50  
ANIMAL ID: 702

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:50:22	19.9			
9	06/07/11	5062		08:51:32	21.0		08:51:33	Unremarkable
15	06/13/11	5062		07:44:35	23.0		07:44:35	Unremarkable
22	06/20/11	5062		07:47:58	23.3		07:47:59	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:32	23.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 50  
ANIMAL ID: 703

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:50:34	19.6			
9	06/07/11	5062		08:51:44	22.4		08:51:44	Unremarkable
15	06/13/11	5062		07:44:47	22.4		07:44:47	Unremarkable
22	06/20/11	5062		07:48:08	23.6		07:48:09	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:48:59	24.7		06:48:59	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 50  
ANIMAL ID: 704

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:50:47	20.6			
9	06/07/11	5062		08:51:53	21.0		08:51:53	Unremarkable
15	06/13/11	5062		07:44:57	22.1		07:44:58	Unremarkable
22	06/20/11	5062		07:48:21	21.9		07:48:28	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:49:13	24.0		06:49:13	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 50  
ANIMAL ID: 705

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:50:57	17.8			
9	06/07/11	5062		08:52:05	20.0		08:52:06	Unremarkable
15	06/13/11	5062		07:45:07	21.5		07:45:07	Unremarkable
22	06/20/11	5062		07:48:35	21.6		07:48:36	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	39.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 51  
ANIMAL ID: 706

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:51:10	19.7			
9	06/07/11	5062		08:52:19	21.2		08:52:19	Unremarkable
15	06/13/11	5062		07:45:20	21.5		07:45:20	Unremarkable
22	06/20/11	5062		07:48:47	23.8		07:48:47	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:20	27.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 51  
ANIMAL ID: 707

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:51:23	19.7			
9	06/07/11	5062		08:52:30	20.5		08:52:30	Unremarkable
15	06/13/11	5062		07:45:30	22.4		07:45:30	Unremarkable
22	06/20/11	5062		07:49:03	23.2		07:49:03	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:34	21.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 51  
ANIMAL ID: 708

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:51:32	17.9			
9	06/07/11	5062		08:52:41	19.8		08:52:41	Unremarkable
15	06/13/11	5062		07:45:43	21.9		07:45:44	Unremarkable
22	06/20/11	5062		07:49:15	23.0		07:49:15	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	38.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 51  
ANIMAL ID: 709

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:51:43	20.1			
9	06/07/11	5062		08:52:54	21.4		08:52:57	Unremarkable
15	06/13/11	5062		07:45:57	22.8		07:45:57	Unremarkable
22	06/20/11	5062		07:49:32	24.5		07:49:32	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:34	24.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 51  
ANIMAL ID: 710

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:51:54	19.0			
9	06/07/11	5062		08:53:09	20.6		08:53:09	Unremarkable
15	06/13/11	5062		07:46:06	21.6		07:46:07	Unremarkable
22	06/20/11	5062		07:49:52	22.6		07:49:52	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/29/11	1		09:00:34	21.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 52  
ANIMAL ID: 711

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:52:07	19.0			
9	06/07/11	5062		08:53:25	21.0		08:53:25	Unremarkable
15	06/13/11	5062		07:46:19	22.7		07:46:19	Unremarkable
22	06/20/11	5062		07:50:10	24.1		07:50:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:36	23.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 52  
ANIMAL ID: 712

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:52:21	18.0			
9	06/07/11	5062		08:53:35	20.7		08:53:44	Unremarkable
15	06/13/11	5062		07:46:30	20.1		07:46:30	Unremarkable
22	06/20/11	5062		07:50:20	22.5		07:50:20	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:36	21.0			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 52  
ANIMAL ID: 713

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:52:36	20.0			
9	06/07/11	5062		08:53:54	22.9		08:53:54	Unremarkable
15	06/13/11	5062		07:46:40	23.0		07:46:40	Unremarkable
22	06/20/11	5062		07:50:35	25.1		07:50:35	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:36	22.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 52  
ANIMAL ID: 714

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:52:48	18.9			
9	06/07/11	5062		08:54:15	21.5		08:54:16	Unremarkable
15	06/13/11	5062		07:46:51	22.4		07:46:52	Unremarkable
22	06/20/11	5062		07:50:46	23.4		07:50:47	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	30.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 52  
ANIMAL ID: 715

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:53:06	18.7			
9	06/07/11	5062		08:54:38	20.3		08:54:39	Unremarkable
15	06/13/11	5062		07:47:06	21.3		07:47:06	Unremarkable
22	06/20/11	5062		07:50:56	21.3		07:50:57	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:49:56	23.9		06:49:56	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 53  
ANIMAL ID: 716

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:53:29	17.8			
9	06/07/11	5062		08:55:15	19.5		08:55:16	Unremarkable
15	06/13/11	5062		07:47:16	20.9		07:47:17	Unremarkable
22	06/20/11	5062		07:51:09	22.4		07:51:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:22	24.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 53  
ANIMAL ID: 717

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:53:52	18.9			
9	06/07/11	5062		08:55:26	20.8		08:55:26	Unremarkable
15	06/13/11	5062		07:47:27	21.1		07:47:27	Unremarkable
22	06/20/11	5062		07:51:21	23.2		07:51:21	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:50:16	23.3		06:50:16	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 53  
ANIMAL ID: 718

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:54:07	19.3			
9	06/07/11	5062		08:55:35	21.2		08:55:36	Unremarkable
15	06/13/11	5062		07:47:39	22.2		07:47:39	Unremarkable
22	06/20/11	5062		07:51:31	22.8		07:51:31	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:50:35	24.9		06:50:35	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 53  
ANIMAL ID: 719

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:54:16	18.6			
9	06/07/11	5062		08:55:58	20.6		08:56:00	Unremarkable
15	06/13/11	5062		07:47:54	22.9		07:47:54	Unremarkable
22	06/20/11	5062		07:51:43	23.6		07:51:43	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:38	22.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 53  
ANIMAL ID: 720

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:54:33	18.7			
9	06/07/11	5062		08:56:10	20.6		08:56:11	Unremarkable
15	06/13/11	5062		07:48:06	20.9		07:48:06	Unremarkable
22	06/20/11	5062		07:51:54	24.1		07:51:55	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/29/11	1		09:00:38	21.5			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 54  
ANIMAL ID: 721

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:54:42	19.5			
9	06/07/11	5062		08:56:32	22.4		08:56:33	Unremarkable
15	06/13/11	5062		07:48:20	23.1		07:48:20	Unremarkable
22	06/20/11	5062		07:52:14	24.2		07:52:15	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:36	24.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 54  
ANIMAL ID: 722

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:54:56	17.4			
9	06/07/11	5062		08:56:47	20.2		08:56:48	Unremarkable
15	06/13/11	5062		07:48:30	20.4		07:48:30	Unremarkable
22	06/20/11	5062		07:52:21	21.3		07:52:22	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	28.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 54  
ANIMAL ID: 723

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:55:09	19.7			
9	06/07/11	5062		08:57:18	22.3		08:57:24	Unremarkable
15	06/13/11	5062		07:48:41	22.3		07:48:41	Unremarkable
22	06/20/11	5062		07:52:37	24.3		07:52:37	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:51:10	26.6		06:51:10	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 54  
ANIMAL ID: 724

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:55:19	17.9			
9	06/07/11	5062		08:57:32	20.0		08:57:35	Unremarkable
15	06/13/11	5062		07:48:50	20.7		07:48:50	Unremarkable
22	06/20/11	5062		07:52:46	22.1		07:52:46	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	31.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 54  
ANIMAL ID: 725

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:55:33	18.4			
9	06/07/11	5062		08:57:54	20.2		08:57:57	Unremarkable
15	06/13/11	5062		07:48:59	22.1		07:49:00	Unremarkable
22	06/20/11	5062		07:53:02	23.5		07:53:04	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:53:16	25.0		06:53:16	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 55  
ANIMAL ID: 726

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:55:46	19.4			
9	06/07/11	5062		08:58:12	22.2		08:58:12	Unremarkable
15	06/13/11	5062		07:49:12	23.7		07:49:12	Unremarkable
22	06/20/11	5062		07:53:17	24.6		07:53:18	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:40	22.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 55  
ANIMAL ID: 727

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:55:55	18.7			
9	06/07/11	5062		08:58:32	20.8		08:58:34	Unremarkable
15	06/13/11	5062		07:49:41	22.2		07:49:42	Unremarkable
22	06/20/11	5062		07:53:39	23.7		07:53:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:38	24.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 55  
ANIMAL ID: 728

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:56:05	18.9			
9	06/07/11	5062		08:58:47	21.3		08:58:49	Unremarkable
15	06/13/11	5062		07:49:52	22.9		07:49:52	Unremarkable
22	06/20/11	5062		07:53:46	24.1		07:53:47	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:53:33	24.8		06:53:33	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 55  
ANIMAL ID: 729

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:56:21	20.3			
9	06/07/11	5062		08:59:02	20.5		08:59:04	Unremarkable
15	06/13/11	5062		07:50:03	22.9		07:50:03	Unremarkable
22	06/20/11	5062		07:54:00	24.1		07:54:01	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:40	22.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 55  
ANIMAL ID: 730

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:56:30	19.1			
9	06/07/11	5062		08:59:24	21.1		08:59:24	Unremarkable
15	06/13/11	5062		07:50:12	23.2		07:50:13	Unremarkable
22	06/20/11	5062		07:54:11	24.7		07:54:11	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:53:58	26.1		06:53:58	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 56  
ANIMAL ID: 731

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:56:42	19.6			
9	06/07/11	5062		08:59:41	21.6		08:59:42	Unremarkable
15	06/13/11	5062		07:50:23	21.3		07:50:23	Unremarkable
22	06/20/11	5062		07:54:28	24.2		07:54:30	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:24	24.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 56  
ANIMAL ID: 732

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:56:50	19.0			
9	06/07/11	5062		08:59:53	20.7		08:59:53	Unremarkable
15	06/13/11	5062		07:50:33	22.3		07:50:34	Unremarkable
22	06/20/11	5062		07:54:37	23.3		07:54:38	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:24	25.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 56  
ANIMAL ID: 733

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:57:02	18.7			
9	06/07/11	5062		09:00:06	21.5		09:00:06	Unremarkable
15	06/13/11	5062		07:50:45	21.6		07:50:46	Unremarkable
22	06/20/11	5062		07:54:49	22.3		07:54:49	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:24	26.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 56  
ANIMAL ID: 734

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:57:16	20.5			
9	06/07/11	5062		09:00:19	22.5		09:00:20	Unremarkable
15	06/13/11	5062		07:50:56	22.1		07:50:56	Unremarkable
22	06/20/11	5062		07:55:01	24.7		07:55:01	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:54:22	23.9		06:54:22	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 56  
ANIMAL ID: 735

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		07:57:26	19.0			
9	06/07/11	5062		09:00:50	21.5		09:00:53	Unremarkable
15	06/13/11	5062		07:51:29	22.0		07:51:40	Unremarkable
22	06/20/11	5062		07:55:16	22.9		07:55:17	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:40	23.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 64  
ANIMAL ID: 901

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:08:59	18.9			
9	06/07/11	5062		09:15:22	21.6		09:15:22	Unremarkable
15	06/13/11	5062		08:04:34	22.6		08:04:34	Unremarkable
22	06/20/11	5062		08:10:53	23.8		08:10:54	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:42	22.2			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 64  
ANIMAL ID: 902

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:09:08	17.9			
9	06/07/11	5062		09:15:48	20.8		09:15:48	Unremarkable
15	06/13/11	5062		08:04:43	21.9		08:04:43	Unremarkable
22	06/20/11	5062		08:11:00	22.1		08:11:01	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:42	22.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 64  
ANIMAL ID: 903

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:09:18	19.3			
9	06/07/11	5062		09:15:59	21.7		09:16:00	Unremarkable
15	06/13/11	5062		08:04:53	21.8		08:04:54	Unremarkable
22	06/20/11	5062		08:11:16	23.7		08:11:19	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:56:07	23.8		06:56:07	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 64  
ANIMAL ID: 904

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:09:30	18.6			
9	06/07/11	5062		09:16:11	20.8		09:16:12	Unremarkable
15	06/13/11	5062		08:05:03	22.2		08:05:03	Unremarkable
22	06/20/11	5062		08:11:33	23.6		08:11:34	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:56:28	24.4		06:56:28	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 64  
ANIMAL ID: 905

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:09:42	19.3			
9	06/07/11	5062		09:16:28	21.4		09:16:33	Unremarkable
15	06/13/11	5062		08:05:12	22.7		08:05:12	Unremarkable
22	06/20/11	5062		08:11:45	22.5		08:11:47	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	39.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 65  
ANIMAL ID: 906

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:09:53	18.9			
9	06/07/11	5062		09:16:43	20.9		09:16:44	Unremarkable
15	06/13/11	5062		08:05:23	21.4		08:05:23	Unremarkable
22	06/20/11	5062		08:11:55	22.4		08:11:55	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:26	25.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 65  
ANIMAL ID: 907

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:10:06	19.0			
9	06/07/11	5062		09:16:54	20.3		09:16:54	Unremarkable
15	06/13/11	5062		08:05:34	21.8		08:05:35	Unremarkable
22	06/20/11	5062		08:12:25	23.0		08:12:25	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:44	21.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 65  
ANIMAL ID: 908

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:10:15	19.5			
9	06/07/11	5062		09:17:10	23.1		09:17:11	Unremarkable
15	06/13/11	5062		08:05:44	22.9		08:05:44	Unremarkable
22	06/20/11	5062		08:12:33	24.3		08:12:33	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	43.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 65  
ANIMAL ID: 909

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:10:24	18.8			
9	06/07/11	5062		09:17:21	20.1		09:17:22	Unremarkable
15	06/13/11	5062		08:05:54	21.6		08:05:54	Unremarkable
22	06/20/11	5062		08:12:51	22.7		08:12:51	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:44	22.9			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 65  
ANIMAL ID: 910

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:10:34	19.7			
9	06/07/11	5062		09:17:33	22.8		09:17:33	Unremarkable
15	06/13/11	5062		08:06:04	21.5		08:06:05	Unremarkable
22	06/20/11	5062		08:12:59	23.5		08:12:59	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:44	21.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 66  
ANIMAL ID: 911

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:10:46	19.3			
9	06/07/11	5062		09:17:48	21.3		09:17:48	Unremarkable
15	06/13/11	5062		08:06:15	22.2		08:06:16	Unremarkable
22	06/20/11	5062		08:13:15	23.2		08:13:16	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:46	21.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 66  
ANIMAL ID: 912

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:10:59	18.1			
9	06/07/11	5062		09:18:00	20.0		09:18:01	Unremarkable
15	06/13/11	5062		08:06:29	21.9		08:06:29	Unremarkable
22	06/20/11	5062		08:13:26	22.7		08:13:27	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:46	21.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 66  
ANIMAL ID: 913

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:11:10	18.1			
9	06/07/11	5062		09:18:11	19.8		09:18:12	Unremarkable
15	06/13/11	5062		08:06:39	20.4		08:06:39	Unremarkable
22	06/20/11	5062		08:13:43	22.5		08:13:43	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:46	21.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 66  
ANIMAL ID: 914

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:11:27	18.5			
9	06/07/11	5062		09:18:22	19.5		09:18:22	Unremarkable
15	06/13/11	5062		08:06:49	21.0		08:06:50	Unremarkable
22	06/20/11	5062		08:13:52	22.1		08:13:52	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	35.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 66  
ANIMAL ID: 915

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:11:40	17.5			
9	06/07/11	5062		09:18:33	19.9		09:18:33	Unremarkable
15	06/13/11	5062		08:07:00	20.5		08:07:00	Unremarkable
22	06/20/11	5062		08:14:04	21.5		08:14:05	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:56:51	23.0		06:56:51	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 67  
ANIMAL ID: 916

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:11:51	19.6			
9	06/07/11	5062		09:18:44	20.7		09:18:45	Unremarkable
15	06/13/11	5062		08:07:11	22.8		08:07:12	Unremarkable
22	06/20/11	5062		08:14:50	23.2		08:14:51	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:28	25.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 67  
ANIMAL ID: 917

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:12:00	19.0			
9	06/07/11	5062		09:18:55	21.1		09:18:55	Unremarkable
15	06/13/11	5062		08:07:23	20.8		08:07:23	Unremarkable
22	06/20/11	5062		08:15:04	22.8		08:15:04	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:57:13	23.2		06:57:13	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 67  
ANIMAL ID: 918

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:12:11	18.4			
9	06/07/11	5062		09:19:07	20.4		09:19:07	Unremarkable
15	06/13/11	5062		08:07:33	22.2		08:07:33	Unremarkable
22	06/20/11	5062		08:15:12	22.9		08:15:12	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		06:57:34	22.7		06:57:34	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 67  
ANIMAL ID: 919

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:12:24	18.4			
9	06/07/11	5062		09:19:27	21.2		09:19:27	Unremarkable
15	06/13/11	5062		08:07:47	21.3		08:07:48	Unremarkable
22	06/20/11	5062		08:15:33	22.2		08:15:34	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:48	20.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 67  
ANIMAL ID: 920

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:12:35	20.2			
9	06/07/11	5062		09:19:47	21.8		09:19:48	Unremarkable
15	06/13/11	5062		08:07:57	22.1		08:07:58	Unremarkable
22	06/20/11	5062		08:15:40	23.8		08:15:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:48	21.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 68  
ANIMAL ID: 921

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:12:47	16.9			
9	06/07/11	5062		09:19:59	19.6		09:20:00	Unremarkable
15	06/13/11	5062		08:08:08	21.7		08:08:09	Unremarkable
22	06/20/11	5062		08:15:59	22.4		08:16:00	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:46	22.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 68  
ANIMAL ID: 922

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:13:07	18.8			
9	06/07/11	5062		09:20:11	20.5		09:20:12	Unremarkable
15	06/13/11	5062		08:08:21	21.1		08:08:21	Unremarkable
22	06/20/11	5062		08:16:12	21.9		08:16:13	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	30.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 68  
ANIMAL ID: 923

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:13:45	18.1			
9	06/07/11	5062		09:20:21	20.8		09:20:22	Unremarkable
15	06/13/11	5062		08:08:34	22.1		08:08:35	Unremarkable
22	06/20/11	5062		08:16:24	23.0		08:16:25	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:58:10	25.1		06:58:10	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 68  
ANIMAL ID: 924

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:14:02	20.3			
9	06/07/11	5062		09:20:34	22.1		09:20:35	Unremarkable
15	06/13/11	5062		08:08:45	22.2		08:08:46	Unremarkable
22	06/20/11	5062		08:16:31	23.0		08:16:32	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	11/02/11	1		08:00:00	39.2			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 68  
ANIMAL ID: 925

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:14:11	19.5			
9	06/07/11	5062		09:20:54	20.5		09:20:54	Unremarkable
15	06/13/11	5062		08:08:55	21.3		08:08:56	Unremarkable
22	06/20/11	5062		08:16:46	23.0		08:16:46	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:58:26	23.2		06:58:26	Unremarkable



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 69  
ANIMAL ID: 926

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:14:29	18.9			
9	06/07/11	5062		09:21:07	20.4		09:21:08	Unremarkable
15	06/13/11	5062		08:09:06	20.2		08:09:07	Unremarkable
22	06/20/11	5062		08:16:55	22.1		08:16:55	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:50	20.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 69  
ANIMAL ID: 927

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:14:45	16.7			
9	06/07/11	5062		09:21:27	20.7		09:21:27	Unremarkable
15	06/13/11	5062		08:09:18	20.4		08:09:18	Unremarkable
22	06/20/11	5062		08:17:13	23.3		08:17:14	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:48	22.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 69  
ANIMAL ID: 928

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:15:06	19.3			
9	06/07/11	5062		09:21:39	21.6		09:21:39	Unremarkable
15	06/13/11	5062		08:09:27	23.3		08:09:28	Unremarkable
22	06/20/11	5062		08:17:21	23.5		08:17:22	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:58:58	24.8		06:58:58	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 69  
ANIMAL ID: 929

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:15:19	20.5			
9	06/07/11	5062		09:21:51	21.3		09:21:52	Unremarkable
15	06/13/11	5062		08:09:47	23.5		08:09:48	Unremarkable
22	06/20/11	5062		08:17:37	24.2		08:17:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:50	23.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 69  
ANIMAL ID: 930

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:15:31	17.8			
9	06/07/11	5062		09:22:04	20.3		09:22:09	Unremarkable
15	06/13/11	5062		08:09:57	21.4		08:09:57	Unremarkable
22	06/20/11	5062		08:17:47	22.6		08:17:48	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:59:23	24.2		06:59:23	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 70  
ANIMAL ID: 931

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:16:18	18.7			
9	06/07/11	5062		09:22:51	20.4		09:22:51	Unremarkable
15	06/13/11	5062		08:10:12	20.0		08:10:12	Unremarkable
22	06/20/11	5062		08:18:04	22.8		08:18:05	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:30	23.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 70  
ANIMAL ID: 932

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:16:36	19.1			
9	06/07/11	5062		09:23:04	20.8		09:23:05	Unremarkable
15	06/13/11	5062		08:10:22	22.6		08:10:22	Unremarkable
22	06/20/11	5062		08:18:13	22.9		08:18:14	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:30	23.9			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 70  
ANIMAL ID: 933

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:16:46	18.5			
9	06/07/11	5062		09:23:22	21.2		09:23:26	Unremarkable
15	06/13/11	5062		08:10:34	21.2		08:10:34	Unremarkable
22	06/20/11	5062		08:18:32	22.9		08:18:33	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:30	25.7			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 70  
ANIMAL ID: 934

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:17:07	18.9			
9	06/07/11	5062		09:23:38	21.9		09:23:41	Unremarkable
15	06/13/11	5062		08:10:43	22.5		08:10:44	Unremarkable
22	06/20/11	5062		08:18:42	23.1		08:18:42	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		06:59:45	23.6		06:59:45	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 70  
ANIMAL ID: 935

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:17:19	20.3			
9	06/07/11	5062		09:23:57	21.9		09:23:58	Unremarkable
15	06/13/11	5062		08:10:54	22.2		08:10:55	Unremarkable
22	06/20/11	5062		08:18:53	23.4		08:18:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:50	23.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 78  
ANIMAL ID: 1101

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:31:34	16.8			
9	06/07/11	5062		09:46:28	19.8		09:46:28	Unremarkable
15	06/13/11	5062		08:26:33	19.8		08:26:33	Unremarkable
22	06/20/11	5062		08:36:57	21.0		08:36:57	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:54	19.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 78  
ANIMAL ID: 1102

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:30:11	19.6			
9	06/07/11	5062		09:46:37	21.0		09:46:37	Unremarkable
15	06/13/11	5062		08:26:41	21.8		08:26:41	Unremarkable
22	06/20/11	5062		08:37:05	22.6		08:37:06	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:52	23.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 78  
ANIMAL ID: 1103

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:30:22	19.3			
9	06/07/11	5062		09:46:57	23.0		09:46:57	Unremarkable
15	06/13/11	5062		08:26:57	22.3		08:26:58	Unremarkable
22	06/20/11	5062		08:37:24	23.2		08:37:25	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		07:01:33	25.8		07:01:33	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 78  
ANIMAL ID: 1104

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:30:40	18.9			
9	06/07/11	5062		09:47:10	22.7		09:47:10	Unremarkable
15	06/13/11	5062		08:27:07	22.4		08:27:08	Unremarkable
22	06/20/11	5062		08:37:32	23.5		08:37:33	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		07:01:51	25.1		07:01:51	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 78  
ANIMAL ID: 1105

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:30:58	18.9			
9	06/07/11	5062		09:47:20	20.8		09:47:21	Unremarkable
15	06/13/11	5062		08:27:18	22.1		08:27:19	Unremarkable
22	06/20/11	5062		08:37:46	22.3		08:37:48	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	29.1			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 79  
ANIMAL ID: 1106

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:31:51	18.0			
9	06/07/11	5062		09:47:36	19.5		09:47:36	Unremarkable
15	06/13/11	5062		08:27:29	20.7		08:27:29	Unremarkable
22	06/20/11	5062		08:37:58	21.5		08:37:59	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:32	24.9			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 79  
ANIMAL ID: 1107

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:32:01	18.1			
9	06/07/11	5062		09:48:01	20.7		09:48:01	Unremarkable
15	06/13/11	5062		08:27:50	20.3		08:27:51	Unremarkable
22	06/20/11	5062		08:38:14	22.5		08:38:15	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:56	20.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 79  
ANIMAL ID: 1108

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:32:17	20.4			
9	06/07/11	5062		09:48:11	22.7		09:48:11	Unremarkable
15	06/13/11	5062		08:27:59	22.5		08:28:00	Unremarkable
22	06/20/11	5062		08:38:22	23.1		08:38:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	30.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 79  
ANIMAL ID: 1109

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:32:36	20.2			
9	06/07/11	5062		09:48:27	22.1		09:48:27	Unremarkable
15	06/13/11	5062		08:28:15	24.3		08:28:16	Unremarkable
22	06/20/11	5062		08:38:37	25.2		08:38:38	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:54	25.0			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 79  
ANIMAL ID: 1110

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:32:48	18.7			
9	06/07/11	5062		09:48:37	20.1		09:48:38	Unremarkable
15	06/13/11	5062		08:28:30	21.6		08:28:30	Unremarkable
22	06/20/11	5062		08:38:46	21.9		08:38:47	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:56	20.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 80  
ANIMAL ID: 1111

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:33:00	18.4			
9	06/07/11	5062		09:48:54	20.9		09:48:54	Unremarkable
15	06/13/11	5062		08:28:42	21.2		08:28:43	Unremarkable
22	06/20/11	5062		08:39:07	23.2		08:39:07	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:58	21.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 80  
ANIMAL ID: 1112

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:33:13	20.1			
9	06/07/11	5062		09:49:04	22.5		09:49:04	Unremarkable
15	06/13/11	5062		08:28:53	23.0		08:28:53	Unremarkable
22	06/20/11	5062		08:39:15	23.1		08:39:16	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/29/11	1		09:00:58	21.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 80  
ANIMAL ID: 1113

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:33:24	18.2			
9	06/07/11	5062		09:49:14	20.1		09:49:15	Unremarkable
15	06/13/11	5062		08:29:02	21.7		08:29:03	Unremarkable
22	06/20/11	5062		08:39:33	21.6		08:39:34	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:00:58	21.3			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 80  
ANIMAL ID: 1114

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:33:34	17.2			
9	06/07/11	5062		09:49:25	19.8		09:49:25	Unremarkable
15	06/13/11	5062		08:29:11	20.5		08:29:12	Unremarkable
22	06/20/11	5062		08:39:41	21.2		08:39:42	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	34.0			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 80  
ANIMAL ID: 1115

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:33:43	19.2			
9	06/07/11	5062		09:49:36	20.6		09:49:37	Unremarkable
15	06/13/11	5062		08:29:21	22.2		08:29:22	Unremarkable
22	06/20/11	5062		08:39:56	22.0		08:39:57	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		07:02:18	25.2		07:02:18	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 81  
ANIMAL ID: 1116

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:33:56	18.6			
9	06/07/11	5062		09:49:52	21.0		09:49:53	Unremarkable
15	06/13/11	5062		08:29:32	22.9		08:29:33	Unremarkable
22	06/20/11	5062		08:40:08	23.0		08:40:08	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:34	25.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 81  
ANIMAL ID: 1117

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:34:07	18.2			
9	06/07/11	5062		09:50:05	19.2		09:50:05	Unremarkable
15	06/13/11	5062		08:29:42	20.9		08:29:42	Unremarkable
22	06/20/11	5062		08:40:21	21.2		08:40:24	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		07:02:36	23.9		07:02:36	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 81  
ANIMAL ID: 1118

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:34:22	19.5			
9	06/07/11	5062		09:50:26	21.0		09:50:28	Unremarkable
15	06/13/11	5062		08:29:51	22.3		08:29:52	Unremarkable
22	06/20/11	5062		08:40:31	23.2		08:40:32	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		07:02:50	25.8		07:02:50	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 81  
ANIMAL ID: 1119

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:34:32	18.8			
9	06/07/11	5062		09:50:44	20.3		09:50:44	Unremarkable
15	06/13/11	5062		08:30:04	21.2		08:30:05	Unremarkable
22	06/20/11	5062		08:40:48	21.9		08:40:48	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:01:00	21.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 81  
ANIMAL ID: 1120

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:34:56	18.0			
9	06/07/11	5062		09:51:02	20.8		09:51:03	Unremarkable
15	06/13/11	5062		08:30:17	20.9		08:30:17	Unremarkable
22	06/20/11	5062		08:40:56	21.9		08:40:57	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:01:00	20.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 82  
ANIMAL ID: 1121

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:35:08	20.6			
9	06/07/11	5062		09:51:28	22.9		09:51:29	Unremarkable
15	06/13/11	5062		08:30:28	23.1		08:30:29	Unremarkable
22	06/20/11	5062		08:41:17	26.0		08:41:18	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:56	26.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 82  
ANIMAL ID: 1122

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:35:18	18.6			
9	06/07/11	5062		09:51:38	19.8		09:51:38	Unremarkable
15	06/13/11	5062		08:30:38	19.9		08:30:38	Unremarkable
22	06/20/11	5062		08:41:30	20.8		08:41:31	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	28.7			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 82  
ANIMAL ID: 1123

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:35:27	17.8			
9	06/07/11	5062		09:54:16	19.6		09:52:27	Unremarkable
15	06/13/11	5062		08:30:50	21.5		08:30:51	Unremarkable
22	06/20/11	5062		08:41:44	21.2		08:41:45	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		07:03:30	22.8		07:03:30	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 82  
ANIMAL ID: 1124

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:35:41	18.8			
9	06/07/11	5062		09:52:41	20.5		09:52:41	Unremarkable
15	06/13/11	5062		08:31:00	21.2		08:31:01	Unremarkable
22	06/20/11	5062		08:41:55	21.7		08:41:56	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	11/02/11	1		08:00:00	31.6			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 82  
ANIMAL ID: 1125

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:35:53	19.1			
9	06/07/11	5062		09:53:02	20.6		09:53:02	Unremarkable
15	06/13/11	5062		08:31:09	22.1		08:31:10	Unremarkable
22	06/20/11	5062		08:42:11	22.4		08:42:12	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:01:06	21.7			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 83  
ANIMAL ID: 1126

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:36:06	18.7			
9	06/07/11	5062		09:54:35	21.3		09:54:36	Unremarkable
15	06/13/11	5062		08:31:20	20.9		08:31:20	Unremarkable
22	06/20/11	5062		08:42:21	22.2		08:42:22	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		07:07:54	24.8		07:07:54	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 83  
ANIMAL ID: 1127

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:36:15	18.6			
9	06/07/11	5062		09:54:50	20.7		09:54:51	Unremarkable
15	06/13/11	5062		08:31:30	21.4		08:31:30	Unremarkable
22	06/20/11	5062		08:42:35	22.2		08:42:35	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:01:02	22.8			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 83  
ANIMAL ID: 1128

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:37:32	19.4			
9	06/07/11	5062		09:55:00	21.0		09:55:01	Unremarkable
15	06/13/11	5062		08:31:41	21.8		08:31:41	Unremarkable
22	06/20/11	5062		08:42:42	22.2		08:42:43	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		07:11:07	24.2		07:11:07	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 83  
ANIMAL ID: 1129

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:36:42	19.9			
9	06/07/11	5062		09:55:17	21.6		09:55:18	Unremarkable
15	06/13/11	5062		08:31:51	23.6		08:31:52	Unremarkable
22	06/20/11	5062		08:42:59	24.0		08:43:00	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/30/11	5062		07:12:00	25.1		07:12:00	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 83  
ANIMAL ID: 1130

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:36:56	19.0			
9	06/07/11	5062		09:55:32	20.8		09:55:33	Unremarkable
15	06/13/11	5062		08:32:01	21.7		08:32:02	Unremarkable
22	06/20/11	5062		08:43:06	22.6		08:43:06	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/29/11	1		09:01:04	21.0			



Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 84  
ANIMAL ID: 1131

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:37:51	19.7			
9	06/07/11	5062		09:55:48	21.5		09:55:49	Unremarkable
15	06/13/11	5062		08:32:12	22.0		08:32:12	Unremarkable
22	06/20/11	5062		08:43:39	23.1		08:43:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:36	25.5			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 84  
ANIMAL ID: 1132

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:38:04	19.0			
9	06/07/11	5062		09:56:01	22.1		09:56:02	Unremarkable
15	06/13/11	5062		08:32:23	21.6		08:32:23	Unremarkable
22	06/20/11	5062		08:43:46	23.4		08:43:47	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:36	28.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 84  
ANIMAL ID: 1133

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:38:24	17.5			
9	06/07/11	5062		09:56:15	20.8		09:56:16	Unremarkable
15	06/13/11	5062		08:32:34	20.8		08:32:34	Unremarkable
22	06/20/11	5062		08:43:58	21.3		08:43:59	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/10/11	1		08:00:36	24.4			

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 84  
ANIMAL ID: 1134

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:38:33	19.1			
9	06/07/11	5062		09:56:30	21.0		09:56:30	Unremarkable
15	06/13/11	5062		08:32:43	21.7		08:32:44	Unremarkable
22	06/20/11	5062		08:44:09	22.8		08:44:11	Unremarkable
REMOVED ** REASON - TSAC								
32	06/30/11	5062		07:12:30	25.2		07:12:30	Unremarkable

Experiment Number: 07062 - 02

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/30/11 / 05/30/11

Lab: BNW

CAGE: 84  
ANIMAL ID: 1135

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/30/11	5062		08:38:46	18.3			
9	06/07/11	5062		09:56:47	21.1		09:56:51	Unremarkable
15	06/13/11	5062		08:32:53	20.9		08:32:53	Unremarkable
22	06/20/11	5062		08:44:26	22.1		08:44:26	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/13/11	1		09:00:58	22.0			

\*\*\*END OF REPORT\*\*\*