

**Experiment Number:** 20532 - 01  
**Test Type:** 14-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (coal slag)  
**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018  
**Time Report Requested:** 14:36:01  
**First Dose M/F:** 12/05/05 / NA  
**Lab:** BNW

**NTP Study Number:** C20532  
**Lock Date:** 06/15/2006  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Male  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

**Experiment Number:** 20532 - 01

**Test Type:** 14-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018

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**First Dose M/F:** 12/05/05 / NA

**Lab:** BNW

---

**ANIMAL ID:** 1

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 0 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54344

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Lymph Node, Mediastinal

\* Nose

\* Trachea

---

**MISSING**

\* Lymph Node, Bronchial

---

Experiment Number: 20532 - 01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Abrasive blasting agents (coal slag)

CAS Number: COALSLAG

Date Report Requested: 04/05/2018

Time Report Requested: 14:36:01

First Dose M/F: 12/05/05 / NA

Lab: BNW

---

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 16

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 54345

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Lung

\* Nose

\* Trachea

---

**MISSING**

\* Lymph Node, Mediastinal

---

**INSUFFICIENT TISSUE**

\* Lymph Node, Bronchial

---

**OBSERVATIONS**

\* Larynx

Infiltration Cellular

Lymphocyte, Minimal

---

**Experiment Number:** 20532 - 01

**Test Type:** 14-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Abrasive blasting agents (coal slag)

**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018

**Time Report Requested:** 14:36:01

**First Dose M/F:** 12/05/05 / NA

**Lab:** BNW

---

**ANIMAL ID:** 3

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 0 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54346

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Lymph Node, Mediastinal

\* Nose

\* Trachea

---

**MISSING**

\* Lymph Node, Bronchial

---

**Experiment Number:** 20532 - 01

**Test Type:** 14-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Abrasive blasting agents (coal slag)

**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018

**Time Report Requested:** 14:36:01

**First Dose M/F:** 12/05/05 / NA

**Lab:** BNW

---

**ANIMAL ID:** 4

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 0 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54347

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Lymph Node, Mediastinal

\* Nose

---

**MISSING**

\* Lymph Node, Bronchial

---

**OBSERVATIONS**

\* Trachea

Infiltration Cellular

Lymphocyte, Minimal

---

**Experiment Number:** 20532 - 01

**Test Type:** 14-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Abrasive blasting agents (coal slag)

**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018

**Time Report Requested:** 14:36:01

**First Dose M/F:** 12/05/05 / NA

**Lab:** BNW

---

**ANIMAL ID:** 5

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 0 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54348

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Lymph Node, Mediastinal

\* Nose

\* Trachea

---

**MISSING**

\* Lymph Node, Bronchial

---

**Experiment Number:** 20532 - 01

**Test Type:** 14-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Abrasive blasting agents (coal slag)

**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018

**Time Report Requested:** 14:36:01

**First Dose M/F:** 12/05/05 / NA

**Lab:** BNW

---

**ANIMAL ID:** 201

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 3 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54359

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Nose

\* Trachea

---

**MISSING**

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

---

**Experiment Number:** 20532 - 01  
**Test Type:** 14-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (coal slag)  
**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018  
**Time Report Requested:** 14:36:01  
**First Dose M/F:** 12/05/05 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 202

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 3 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54360

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

Lymph Node

\* Lymph Node, Bronchial

\* Nose

\* Trachea

---

**MISSING**

\* Lymph Node, Mediastinal

---



**Experiment Number:** 20532 - 01

**Test Type:** 14-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Abrasive blasting agents (coal slag)

**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018

**Time Report Requested:** 14:36:01

**First Dose M/F:** 12/05/05 / NA

**Lab:** BNW

---

**ANIMAL ID:** 203

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 3 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54361

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Lymph Node, Mediastinal

\* Nose

\* Trachea

---

**INSUFFICIENT TISSUE**

\* Lymph Node, Bronchial

---

**Experiment Number:** 20532 - 01  
**Test Type:** 14-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (coal slag)  
**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018  
**Time Report Requested:** 14:36:01  
**First Dose M/F:** 12/05/05 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 204

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 3 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54362

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lung

\* Nose

\* Trachea

---

**MISSING**

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

---

**Experiment Number:** 20532 - 01  
**Test Type:** 14-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (coal slag)  
**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018  
**Time Report Requested:** 14:36:01  
**First Dose M/F:** 12/05/05 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 205

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 3 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54363

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Nose

---

**INSUFFICIENT TISSUE**

\* Lymph Node, Mediastinal

---

**OBSERVATIONS**

\* Lung

Proteinosis

Minimal

\* Trachea

Infiltration Cellular

Lymphocyte, Minimal

---

**Experiment Number:** 20532 - 01  
**Test Type:** 14-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (coal slag)  
**CAS Number:** COALSLAG

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**First Dose M/F:** 12/05/05 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 401

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54354

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Bronchial

\* Nose

\* Trachea

---

**MISSING**

\* Lymph Node, Mediastinal

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular

Histiocyte, Diffuse, Minimal

---

**Experiment Number:** 20532 - 01  
**Test Type:** 14-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (coal slag)  
**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018  
**Time Report Requested:** 14:36:01  
**First Dose M/F:** 12/05/05 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 402

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54355

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular

Histiocyte, Diffuse, Minimal

---

**Experiment Number:** 20532 - 01  
**Test Type:** 14-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (coal slag)  
**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018  
**Time Report Requested:** 14:36:01  
**First Dose M/F:** 12/05/05 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 403

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54356

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Mediastinal

\* Nose

\* Trachea

---

**MISSING**

\* Lymph Node, Bronchial

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular  
Inflammation

Histiocyte, Diffuse, Minimal  
Focal, Minimal

---

**Experiment Number:** 20532 - 01  
**Test Type:** 14-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (coal slag)  
**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018  
**Time Report Requested:** 14:36:01  
**First Dose M/F:** 12/05/05 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 404

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54357

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

\* Trachea

---

**OBSERVATIONS**

\* Larynx

Infiltration Cellular

Lymphocyte, Minimal

\* Lung

Infiltration Cellular

Histiocyte, Diffuse, Minimal

Proteinosis

Minimal

---

**Experiment Number:** 20532 - 01  
**Test Type:** 14-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (coal slag)  
**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018  
**Time Report Requested:** 14:36:01  
**First Dose M/F:** 12/05/05 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 405

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 15 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54358

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

Liver

\* Lymph Node, Mediastinal

\* Nose

---

**INSUFFICIENT TISSUE**

\* Lymph Node, Bronchial

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular  
Proteinosis

Histiocyte, Diffuse, Minimal  
Minimal

---



**Experiment Number:** 20532 - 01  
**Test Type:** 14-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (coal slag)  
**CAS Number:** COALSLAG

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**First Dose M/F:** 12/05/05 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 601

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 30 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54349

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**OBSERVATIONS**

Liver

[ Hepatodiaphragmatic Nodule TGLs = 1-6 ]

Hepatodiaphragmatic Nodule

Mild

\* Lung

Infiltration Cellular  
Inflammation

Histiocyte, Diffuse, Minimal  
Focal, Minimal

---

Experiment Number: 20532 - 01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Abrasive blasting agents (coal slag)

CAS Number: COALSLAG

Date Report Requested: 04/05/2018

Time Report Requested: 14:36:01

First Dose M/F: 12/05/05 / NA

Lab: BNW

---

ANIMAL ID: 602

TRT#: 4

SEX: Male

DAY ON TEST: 16

DOSE: 30 mg/m3

DISP: Terminal Sacrifice

HISTO: 54350

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Lymph Node, Mediastinal

\* Nose

\* Trachea

---

**MISSING**

\* Lymph Node, Bronchial

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular  
Inflammation

Histiocyte, Diffuse, Minimal  
Focal, Minimal

---

**Experiment Number:** 20532 - 01  
**Test Type:** 14-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (coal slag)  
**CAS Number:** COALSLAG

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**First Dose M/F:** 12/05/05 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 603

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 30 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54351

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular

Histiocyte, Diffuse, Minimal

---

Experiment Number: 20532 - 01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Abrasive blasting agents (coal slag)

CAS Number: COALSLAG

Date Report Requested: 04/05/2018

Time Report Requested: 14:36:01

First Dose M/F: 12/05/05 / NA

Lab: BNW

---

ANIMAL ID: 604

TRT#: 4

SEX: Male

DAY ON TEST: 16

DOSE: 30 mg/m3

DISP: Terminal Sacrifice

HISTO: 54352

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
Tongue

\* Lymph Node, Bronchial  
\* Trachea

\* Lymph Node, Mediastinal

\* Nose

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular

Histiocyte, Diffuse, Minimal

---

**Experiment Number:** 20532 - 01  
**Test Type:** 14-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Abrasive blasting agents (coal slag)  
**CAS Number:** COALSLAG

**Date Report Requested:** 04/05/2018  
**Time Report Requested:** 14:36:01  
**First Dose M/F:** 12/05/05 / NA  
**Lab:** BNW

---

**ANIMAL ID:** 605

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 16

**DOSE:** 30 mg/m3

**DISP:** Terminal Sacrifice

**HISTO:** 54353

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx  
\* Trachea

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Nose

---

**OBSERVATIONS**

\* Lung

Infiltration Cellular

Histiocyte, Diffuse, Minimal

---

\*\*\* END OF REPORT \*\*\*