

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>C Number:</b>	MG96006
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 730

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100730

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Mammary Gland	* Pituitary Gland
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Seminal Vesicle
* Spleen	* Testes	* Thymus	* Thyroid Gland

**OBSERVATIONS**

* Kidney		Infiltration Cellular	Lymphocyte, Mild
	Renal Tubule	Regeneration	Minimal
* Liver		Inflammation	Chronic Active, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 731	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3 CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100731

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Mammary Gland	* Pituitary Gland	* Rete Testes
* Seminal Vesicle	* Spleen	* Testes	

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**MISSING**

\* Thymus

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**OBSERVATIONS**

* Coagulating Gland	Developmental Malformation	
* Kidney	Congestion	Mild
	Infiltration Cellular	Lymphocyte, Minimal
[ Congestion TGLS = 1-4 ]		
* Liver	Inflammation	Chronic Active, Minimal
* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe	Infiltration Cellular	Lymphocyte, Mild
* Thymus		
Note: Missing at embedding; No Wet Tissue per Pathologist		
* Thyroid Gland	Infiltration Cellular	Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 732

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100732

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Kidney	* Mammary Gland
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Seminal Vesicle
* Spleen	* Testes	* Thymus	* Thyroid Gland

**OBSERVATIONS**

* Liver	Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Ventral Lobe	Infiltration Cellular	Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 733

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100733

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Epididymis  
\* Prostate, Ventral Lobe  
\* Thyroid Gland

\* Adrenal Medulla  
\* Mammary Gland  
\* Rete Testes

\* Bone  
\* Pituitary Gland  
\* Seminal Vesicle

\* Bone Marrow  
\* Prostate, Dorsal/lateral Lobe  
\* Spleen

**OBSERVATIONS**

\* Coagulating Gland  
\* Kidney  
\* Liver  
\* Testes  
\* Thymus

Seminif Tub

Developmental Malformation  
Infiltration Cellular  
Inflammation  
Degeneration  
Congestion

Lymphocyte, Minimal  
Chronic Active, Minimal  
Minimal  
Mild

[ Congestion TGLS = 1-4 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 734

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100734

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Mammary Gland
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Seminal Vesicle
* Spleen	* Testes	* Thymus	* Thyroid Gland

**OBSERVATIONS**

* Kidney	Infiltration Cellular	Lymphocyte, Minimal
Note: TGL 1 - NST		
* Prostate, Ventral Lobe	Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 735

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100735

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Mammary Gland
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Seminal Vesicle
* Spleen	* Testes	* Thymus	

**OBSERVATIONS**

* Kidney	Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Ventral Lobe	Infiltration Cellular	Lymphocyte, Minimal
* Thyroid Gland	Cyst	Squamous

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 736

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100736

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Coagulating Gland  
\* Seminal Vesicle

\* Epididymis  
\* Testes

\* Mammary Gland

\* Rete Testes

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**OBSERVATIONS**

\* Prostate, Dorsal/Lateral Lobe  
\* Prostate, Ventral Lobe

Inflammation  
Infiltration Cellular

Suppurative, Minimal  
Lymphocyte, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 737

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100737

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Coagulating Gland  
\* Testes

\* Epididymis

\* Rete Testes

\* Seminal Vesicle

**OBSERVATIONS**

\* Mammary Gland  
\* Prostate, Dorsal/Lateral Lobe  
\* Prostate, Ventral Lobe

Alveolus

Hyperplasia  
Infiltration Cellular  
Infiltration Cellular

Moderate  
Lymphocyte, Minimal  
Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 738

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100738

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Coagulating Gland  
\* Testes

\* Epididymis

\* Rete Testes

\* Seminal Vesicle

**OBSERVATIONS**

\* Mammary Gland  
\* Prostate, Dorsal/Lateral Lobe  
\* Prostate, Ventral Lobe

Alveolus

Hyperplasia  
Infiltration Cellular  
Infiltration Cellular

Minimal  
Lymphocyte, Minimal  
Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 739

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100739

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Coagulating Gland  
\* Seminal Vesicle

\* Epididymis

\* Mammary Gland

\* Rete Testes

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**OBSERVATIONS**

\* Prostate, Dorsal/Lateral Lobe  
\* Prostate, Ventral Lobe  
\* Testes

Seminif Tub

Inflammation  
Infiltration Cellular  
Degeneration

Suppurative, Minimal  
Lymphocyte, Minimal  
Moderate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 740

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100740

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Coagulating Gland  
\* Seminal Vesicle

\* Mammary Gland  
\* Testes

\* Prostate, Dorsal/lateral Lobe

\* Rete Testes

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**OBSERVATIONS**

\* Epididymis  
\* Prostate, Ventral Lobe

Infiltration Cellular  
Infiltration Cellular

Lymphocyte, Minimal  
Lymphocyte, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 741	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100741

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Coagulating Gland	* Mammary Gland	* Prostate, Dorsal/lateral Lobe	* Seminal Vesicle
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**OBSERVATIONS**

* Epididymis		Atrophy	Moderate
		Hypospermia	Marked
[ Atrophy TGLS = 2-2 ]			
[ Hypospermia TGLS = 2-2 ]			
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Rete Testes		Dilatation	Moderate
* Testes	Seminif Tub	Degeneration	Marked
[ Degeneration TGLS = 1-7 ]			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 742

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100742

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Coagulating Gland  
\* Rete Testes

\* Epididymis  
\* Testes

\* Mammary Gland

\* Prostate, Ventral Lobe

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**OBSERVATIONS**

\* Prostate, Dorsal/Lateral Lobe  
\* Seminal Vesicle

Inflammation  
Depletion Secretory

Suppurative, Minimal  
Moderate

[ Depletion Secretory TGLS = 1-2A ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 743	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100743

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Epididymis	* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Seminal Vesicle
* Testes			

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**INSUFFICIENT TISSUE**

\* Mammary Gland

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**OBSERVATIONS**

* Coagulating Gland	Developmental Malformation	
[ Developmental Malformation TGLS = 1-2A ]		
* Mammary GI		
Note: No RC/WT attempt per pathologist		
* Prostate, Ventral Lobe	Infiltration Cellular	Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 744	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100744

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Coagulating Gland	* Epididymis	* Mammary Gland	* Prostate, Dorsal/lateral Lobe
* Rete Testes	* Seminal Vesicle		

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**OBSERVATIONS**

* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Mild
* Testes	Seminif Tub	Degeneration	Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 745	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100745

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Epididymis	* Rete Testes	* Seminal Vesicle	* Testes
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**OBSERVATIONS**

* Coagulating Gland [ Developmental Malformation TGLS = 1-2A ]		Developmental Malformation	
* Mammary Gland	Duct	Hyperplasia	Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-96

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 11:59:09

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 746

TRT#: 8

SEX: Male

DAY ON TEST: 161

DOSE: F3/50PPB TO CTRL

DISP: Terminal Sacrifice

HISTO: 021380100746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex  
\* Epididymis  
\* Rete Testes  
\* Thyroid Gland

\* Adrenal Medulla  
\* Liver  
\* Spleen

\* Bone  
\* Pituitary Gland  
\* Testes

\* Bone Marrow  
\* Prostate, Dorsal/lateral Lobe  
\* Thymus

OBSERVATIONS

\* Coagulating Gland  
[ Developmental Malformation TGLS = 1-2A ]

Developmental Malformation

\* Kidney  
Renal Tubule  
Alveolus

Infiltration Cellular  
Regeneration  
Hyperplasia  
Infiltration Cellular  
Depletion Secretory

Lymphocyte, Minimal  
Mild  
Mild  
Lymphocyte, Minimal  
Moderate

\* Mammary Gland  
\* Prostate, Ventral Lobe  
\* Seminal Vesicle  
[ Depletion Secretory TGLS = 2-2A ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 747	<b>TRT#:</b> 8	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100747

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Liver	* Mammary Gland	* Pituitary Gland
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Seminal Vesicle	* Spleen
* Thymus	* Thyroid Gland		

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**OBSERVATIONS**

* Epididymis		Atrophy	Moderate
		Hypospermia	Marked
[ Atrophy TGLS = 2-2 ]			
[ Hypospermia TGLS = 2-2 ]			
* Kidney		Infiltration Cellular	Lymphocyte, Minimal
* Rete Testes		Dilatation	Moderate
* Testes	Seminif Tub	Degeneration	Marked
[ Degeneration TGLS = 1-7 ]			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 748

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100748

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Epididymis  
\* Rete Testes  
\* Thyroid Gland

\* Adrenal Medulla  
\* Mammary Gland  
\* Seminal Vesicle

\* Bone  
\* Pituitary Gland  
\* Testes

\* Bone Marrow  
\* Prostate, Dorsal/lateral Lobe  
\* Thymus

**OBSERVATIONS**

\* Coagulating Gland

[ Developmental Malformation TGLS = 1-2A ]

\* Kidney  
\* Liver  
\* Prostate, Ventral Lobe  
\* Spleen

Developmental Malformation

Infiltration Cellular  
Inflammation  
Infiltration Cellular  
Pigmentation

Lymphocyte, Minimal  
Chronic Active, Minimal  
Lymphocyte, Marked  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 749

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100749

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Coagulating Gland  
\* Prostate, Dorsal/lateral Lobe  
\* Thymus

\* Adrenal Medulla  
\* Epididymis  
\* Rete Testes  
\* Thyroid Gland

\* Bone  
\* Mammary Gland  
\* Seminal Vesicle

\* Bone Marrow  
\* Pituitary Gland  
\* Testes

**OBSERVATIONS**

\* Kidney  
  
\* Liver  
\* Prostate, Ventral Lobe  
\* Spleen

Renal Tubule

Infiltration Cellular  
Regeneration  
Inflammation  
Infiltration Cellular  
Pigmentation

Lymphocyte, Minimal  
Minimal  
Chronic Active, Minimal  
Lymphocyte, Minimal  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 750	<b>TRT#:</b> 8	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100750

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Kidney	* Liver
* Mammary Gland	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes
* Seminal Vesicle	* Spleen	* Testes	* Thymus
* Thyroid Gland			

---

**OBSERVATIONS**

Preputial Gland	Duct	Dilatation Inflammation	Moderate Suppurative, Marked
[ Dilatation TGLS = 1-2 ] [ Inflammation TGLS = 1-2 ]			
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Moderate

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 751

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100751

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Epididymis  
\* Rete Testes  
\* Thymus

\* Adrenal Medulla  
\* Mammary Gland  
\* Seminal Vesicle  
\* Thyroid Gland

\* Bone  
\* Pituitary Gland  
\* Spleen

\* Bone Marrow  
\* Prostate, Dorsal/lateral Lobe  
\* Testes

**OBSERVATIONS**

\* Coagulating Gland

[ Developmental Malformation TGLS = 1-2A ]

Developmental Malformation

\* Kidney

Hyaline Droplet

Minimal

\* Liver

Inflammation

Chronic Active, Minimal

\* Prostate, Ventral Lobe

Infiltration Cellular

Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 752

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100752

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Coagulating Gland  
\* Prostate, Dorsal/lateral Lobe  
\* Testes

\* Adrenal Medulla  
\* Epididymis  
\* Rete Testes  
\* Thymus

\* Bone  
\* Mammary Gland  
\* Seminal Vesicle

\* Bone Marrow  
\* Pituitary Gland  
\* Spleen

**OBSERVATIONS**

\* Kidney  
  
\* Liver  
\* Prostate, Ventral Lobe  
\* Thyroid Gland

Renal Tubule

Dilatation  
Infiltration Cellular  
Inflammation  
Infiltration Cellular  
Cyst

Moderate  
Lymphocyte, Minimal  
Chronic Active, Minimal  
Lymphocyte, Mild  
Squamous

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 776

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100776

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Mammary Gland	* Pituitary Gland
* Rete Testes	* Seminal Vesicle	* Spleen	* Testes
* Thymus			

**OBSERVATIONS**

* Kidney		Infiltration Cellular	Lymphocyte, Minimal
	Renal Tubule	Regeneration	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 777

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100777

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Bone	* Bone Marrow	* Coagulating Gland
* Epididymis	* Liver	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe
* Rete Testes	* Seminal Vesicle	* Spleen	* Testes
* Thymus	* Thyroid Gland		

**INSUFFICIENT TISSUE**

\* Adrenal Medulla

**OBSERVATIONS**

\* Adren Medulla

Note: Recut attempted

* Kidney	Renal Tubule	Dilatation Infiltration Cellular	Mild Lymphocyte, Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 778	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 162
	<b>DOSE:</b> F3 CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100778

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Coagulating Gland
* Epididymis	* Liver	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Seminal Vesicle	* Spleen
* Testes	* Thymus	* Thyroid Gland	

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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Infiltration Cellular	Lymphocyte, Minimal
* Mammary Gland	Alveolus	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 779

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100779

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Mammary Gland
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Seminal Vesicle
* Spleen	* Testes	* Thymus	* Thyroid Gland

**OBSERVATIONS**

* Kidney		Infiltration Cellular	Lymphocyte, Minimal
	Renal Tubule	Regeneration	Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 780	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 162
	<b>DOSE:</b> F3 CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100780

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Mammary Gland	* Pituitary Gland
* Rete Testes	* Seminal Vesicle	* Spleen	* Testes
* Thymus			

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Dilatation	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
	Renal Tubule	Regeneration	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Thyroid Gland		Cyst	Squamous

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 781

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100781

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Coagulating Gland

\* Mammary Gland

\* Seminal Vesicle

**INSUFFICIENT TISSUE**

\* Rete Testes

**OBSERVATIONS**

\* Epididymis

Atrophy

Moderate

Hypospermia

Marked

[ Atrophy TGLS = 2-2 ]

[ Hypospermia TGLS = 2-2 ]

\* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Minimal

\* Prostate, Ventral Lobe

Infiltration Cellular

Lymphocyte, Minimal

\* Rete Testes

Note: No RC/WT attempt per pathologist

\* Testes

Seminif Tub

Degeneration

Marked

[ Degeneration TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 782

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100782

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Epididymis  
\* Testes

\* Prostate, Dorsal/lateral Lobe

\* Rete Testes

\* Seminal Vesicle

---

**OBSERVATIONS**

\* Coagulating Gland  
\* Mammary Gland  
\* Prostate, Ventral Lobe

Alveolus

Developmental Malformation  
Hyperplasia  
Infiltration Cellular

Minimal  
Lymphocyte, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 783	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100783

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Coagulating Gland	* Epididymis	* Prostate, Dorsal/lateral Lobe	* Rete Testes
* Seminal Vesicle	* Testes		

---

**OBSERVATIONS**

* Mammary Gland	Alveolus	Hyperplasia	Mild
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 784

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100784

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Epididymis	* Mammary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Seminal Vesicle	* Testes	

---

**OBSERVATIONS**

* Coagulating Gland	Developmental Malformation
[ Developmental Malformation TGLS = 1-2A ]	

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 785

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100785

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Coagulating Gland  
\* Seminal Vesicle

\* Mammary Gland  
\* Testes

\* Prostate, Dorsal/lateral Lobe

\* Rete Testes

---

**OBSERVATIONS**

\* Epididymis  
\* Prostate, Ventral Lobe

Infiltration Cellular  
Infiltration Cellular

Lymphocyte, Minimal  
Lymphocyte, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 786	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 162
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100786

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Coagulating Gland	* Epididymis	* Mammary Gland	* Prostate, Dorsal/lateral Lobe
* Seminal Vesicle	* Testes		

---

**OBSERVATIONS**

* Prostate, Ventral Lobe	Infiltration Cellular	Lymphocyte, Minimal
* Rete Testes	Dilatation	Mild

---

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 787

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100787

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Coagulating Gland

\* Epididymis

\* Mammary Gland

\* Prostate, Dorsal/lateral Lobe

\* Rete Testes

\* Seminal Vesicle

\* Testes

---

**OBSERVATIONS**

\* Prostate, Ventral Lobe

Infiltration Cellular

Lymphocyte, Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 788	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 162
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100788

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Coagulating Gland	* Epididymis	* Mammary Gland	* Rete Testes
* Seminal Vesicle	* Testes		

---

**OBSERVATIONS**

* Liver	Hepatodiaphragmatic Nodule		
[ Hepatodiaphragmatic Nodule TGLS = 1-5 ]			
* Prostate, Dorsal/Lateral Lobe	Inflammation		Suppurative, Minimal
* Prostate, Ventral Lobe	Infiltration Cellular		Lymphocyte, Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 789

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 160

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100789

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Coagulating Gland

\* Epididymis

\* Mammary Gland

\* Prostate, Dorsal/lateral Lobe

\* Prostate, Ventral Lobe

\* Rete Testes

\* Seminal Vesicle

\* Testes

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PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 790

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100790

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Coagulating Gland  
\* Seminal Vesicle

\* Epididymis  
\* Testes

\* Mammary Gland

\* Rete Testes

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**OBSERVATIONS**

\* Prostate, Dorsal/Lateral Lobe  
\* Prostate, Ventral Lobe  
\* Testes

Inflammation  
Infiltration Cellular

Suppurative, Mild  
Lymphocyte, Minimal

---

Note: TGL 1 - NST

Note: Left testis (TGL 1) frozen at necropsy

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 791

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100791

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Coagulating Gland  
\* Pituitary Gland  
\* Testes

\* Adrenal Medulla  
\* Epididymis  
\* Rete Testes  
\* Thymus

\* Bone  
\* Liver  
\* Seminal Vesicle  
\* Thyroid Gland

\* Bone Marrow  
\* Mammary Gland  
\* Spleen

**OBSERVATIONS**

\* Kidney  
\* Prostate, Dorsal/Lateral Lobe  
\* Prostate, Ventral Lobe

Infiltration Cellular  
Inflammation  
Infiltration Cellular

Lymphocyte, Minimal  
Suppurative, Minimal  
Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 792

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100792

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Pituitary Gland
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Seminal Vesicle
* Spleen	* Testes	* Thymus	

**OBSERVATIONS**

* Kidney	Renal Tubule	Dilatation	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Thyroid Gland		Cyst	Squamous

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 793

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100793

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Mammary Gland
* Pituitary Gland	* Rete Testes	* Seminal Vesicle	* Spleen
* Testes	* Thymus		

**OBSERVATIONS**

* Kidney		Casts Protein	Mild
	Renal Tubule	Regeneration	Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Prostate, Ventral Lobe		Inflammation	Suppurative, Mild
* Thyroid Gland		Cyst	Squamous, Multiple

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 794

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100794

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Epididymis  
\* Seminal Vesicle  
\* Thyroid Gland

\* Adrenal Medulla  
\* Pituitary Gland  
\* Spleen

\* Bone  
\* Prostate, Dorsal/lateral Lobe  
\* Testes

\* Bone Marrow  
\* Rete Testes  
\* Thymus

**OBSERVATIONS**

\* Coagulating Gland

[ Developmental Malformation TGLS = 1-2A ]

\* Kidney

\* Liver

\* Mammary Gland

\* Prostate, Ventral Lobe

Alveolus

Developmental Malformation

Infiltration Cellular

Inflammation

Hyperplasia

Infiltration Cellular

Lymphocyte, Minimal

Chronic Active, Minimal

Moderate

Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 795

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100795

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Pituitary Gland
* Rete Testes	* Seminal Vesicle	* Spleen	* Testes
* Thymus	* Thyroid Gland		

**OBSERVATIONS**

* Kidney	Renal Tubule	Dilatation	Moderate
		Infiltration Cellular	Lymphocyte, Minimal
	Renal Tubule	Regeneration	Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Prostate, Dorsal/Lateral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 796

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100796

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Mammary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Seminal Vesicle	* Spleen	* Testes
* Thymus	* Thyroid Gland		

**OBSERVATIONS**

* Coagulating Gland		Developmental Malformation	
[ Developmental Malformation TGLS = 1-2A ]			
* Kidney	Renal Tubule	Dilatation	Mild
		Infiltration Cellular	Lymphocyte, Minimal
	Renal Tubule	Regeneration	Minimal
* Liver		Infiltration Cellular	Lymphocyte, Minimal
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 819

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 163

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100819

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Mammary Gland
* Pituitary Gland	* Rete Testes	* Seminal Vesicle	* Spleen
* Thymus	* Thyroid Gland		

**OBSERVATIONS**

* Kidney		Infiltration Cellular Regeneration	Lymphocyte, Minimal Minimal
	Renal Tubule		
* Prostate, Dorsal/Lateral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Testes	Seminif Tub	Degeneration	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 820

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 163

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100820

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Mammary Gland
* Pituitary Gland	* Rete Testes	* Seminal Vesicle	* Spleen
* Testes	* Thymus	* Thyroid Gland	

**OBSERVATIONS**

* Kidney		Hyaline Droplet	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Ventral Lobe		Inflammation	Suppurative, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 821	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 163
	<b>DOSE:</b> F3 CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100821

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Mammary Gland
* Pituitary Gland	* Rete Testes	* Seminal Vesicle	* Spleen
* Testes	* Thymus	* Thyroid Gland	

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**OBSERVATIONS**

* Kidney		Hyaline Droplet	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
	Renal Tubule	Regeneration	Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 822

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 163

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100822

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Coagulating Gland  
\* Prostate, Dorsal/lateral Lobe  
\* Testes

\* Adrenal Medulla  
\* Epididymis  
\* Rete Testes  
\* Thymus

\* Bone  
\* Mammary Gland  
\* Seminal Vesicle  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland  
\* Spleen

**OBSERVATIONS**

\* Kidney  
\* Liver  
\* Prostate, Ventral Lobe

Infiltration Cellular  
Inflammation  
Infiltration Cellular

Lymphocyte, Minimal  
Chronic Active, Minimal  
Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 823

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100823

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Mammary Gland
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Seminal Vesicle
* Testes	* Thymus	* Thyroid Gland	

**OBSERVATIONS**

* Kidney		Infiltration Cellular Regeneration	Lymphocyte, Minimal Minimal
	Renal Tubule		
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 824

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100824

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Epididymis	* Mammary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Seminal Vesicle	* Testes	

---

**OBSERVATIONS**

* Coagulating Gland	Developmental Malformation
[ Developmental Malformation TGLS = 1-2A ]	

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 825	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 163
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100825

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Coagulating Gland	* Epididymis	* Prostate, Ventral Lobe	* Rete Testes
* Seminal Vesicle	* Testes		

---

**OBSERVATIONS**

* Mammary Gland	Alveolus	Hyperplasia	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 826	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100826

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Mammary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Seminal Vesicle
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**OBSERVATIONS**

* Coagulating Gland [ Developmental Malformation TGLS = 3-2A ]		Developmental Malformation	
* Epididymis [ Atrophy TGLS = 2-2 ] [ Hypospermia TGLS = 2-2 ]		Atrophy Hypospermia	Moderate Marked
* Rete Testes		Dilatation	Minimal
* Testes [ Degeneration TGLS = 1-7 ]	Seminif Tub	Degeneration	Marked

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 827

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100827

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Coagulating Gland

\* Epididymis

\* Mammary Gland

\* Prostate, Dorsal/lateral Lobe

\* Rete Testes

\* Seminal Vesicle

\* Testes

---

**OBSERVATIONS**

\* Prostate, Ventral Lobe

Infiltration Cellular

Lymphocyte, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 828	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100828

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Coagulating Gland	* Epididymis	* Rete Testes	* Seminal Vesicle
* Testes			

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**OBSERVATIONS**

* Mammary Gland	Duct	Hyperplasia	Mild
* Prostate, Dorsal/Lateral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 829

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100829

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Coagulating Gland

\* Epididymis

\* Mammary Gland

\* Prostate, Dorsal/lateral Lobe

\* Rete Testes

\* Seminal Vesicle

\* Testes

---

**OBSERVATIONS**

\* Prostate, Ventral Lobe

Infiltration Cellular

Lymphocyte, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 830

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100830

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Coagulating Gland

\* Epididymis

\* Mammary Gland

\* Prostate, Dorsal/lateral Lobe

\* Prostate, Ventral Lobe

\* Rete Testes

\* Seminal Vesicle

\* Testes

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 831

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100831

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Coagulating Gland  
\* Rete Testes

\* Epididymis  
\* Seminal Vesicle

\* Mammary Gland

\* Prostate, Dorsal/lateral Lobe

---

**OBSERVATIONS**

\* Prostate, Ventral Lobe  
\* Testes

Seminif Tub

Infiltration Cellular  
Degeneration

Lymphocyte, Minimal  
Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 832	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100832

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Epididymis	* Mammary Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes
* Seminal Vesicle	* Testes		

---

**OBSERVATIONS**

* Coagulating Gland	Bilateral	Developmental Malformation	
[ Developmental Malformation TGLS = 1-2A ]			
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 833	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100833

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Coagulating Gland	* Epididymis	* Mammary Gland	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Seminal Vesicle	* Testes

---

**OBSERVATIONS**

* Kidney	Congestion	Moderate
[ Congestion TGLS = 1-4 ]		

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 834

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100834

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Epididymis	* Mammary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Seminal Vesicle	* Testes	

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**OBSERVATIONS**

* Coagulating Gland	Developmental Malformation
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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 835

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100835

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Coagulating Gland

\* Rete Testes

\* Seminal Vesicle

\* Testes

**OBSERVATIONS**

\* Epididymis

Atrophy

Mild

Hypospermia

Marked

[ Atrophy TGLS = 2-2 ]

[ Hypospermia TGLS = 2-2 ]

\* Mammary Gland

Duct

Hyperplasia

Minimal

Preputial Gland

Duct

Dilatation

Moderate

Inflammation

Suppurative, Marked

[ Dilatation TGLS = 1-2 ]

[ Inflammation TGLS = 1-2 ]

\* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Moderate

\* Prostate, Ventral Lobe

Infiltration Cellular

Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 836

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100836

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Epididymis  
\* Rete Testes  
\* Thymus

\* Adrenal Medulla  
\* Liver  
\* Seminal Vesicle

\* Bone  
\* Mammary Gland  
\* Spleen

\* Bone Marrow  
\* Pituitary Gland  
\* Testes

**OBSERVATIONS**

\* Coagulating Gland

[ Developmental Malformation TGLS = 2-2A ]

Developmental Malformation

\* Kidney

Renal Tubule

Infiltration Cellular  
Regeneration

Lymphocyte, Minimal  
Minimal

Note: TGL 3 - NCL

Mesentery

Fat

Inflammation  
Necrosis

Granulomatous, Moderate  
Marked

[ Inflammation TGLS = 1-9 ]

[ Necrosis TGLS = 1-9 ]

\* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Minimal

\* Prostate, Ventral Lobe

Infiltration Cellular

Lymphocyte, Minimal

\* Thyroid Gland

Cyst

Squamous

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 837

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100837

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Coagulating Gland
* Epididymis	* Kidney	* Liver	* Mammary Gland
* Pituitary Gland	* Prostate, Ventral Lobe	* Seminal Vesicle	* Spleen
* Testes	* Thymus	* Thyroid Gland	

**OBSERVATIONS**

* Adrenal Cortex	Vacuolization Cytoplasmic	Mild
* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Mild
* Rete Testes	Dilatation	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 838

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100838

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Mammary Gland
* Pituitary Gland	* Rete Testes	* Seminal Vesicle	* Spleen
* Testes	* Thymus	* Thyroid Gland	

**OBSERVATIONS**

* Kidney	Interstitial	Fibrosis	Minimal
		Infiltration Cellular	Lymphocyte, Mild
	Renal Tubule	Regeneration	Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 839

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100839

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Pituitary Gland
* Prostate, Ventral Lobe	* Rete Testes	* Seminal Vesicle	* Testes
* Thymus	* Thyroid Gland		

**INSUFFICIENT TISSUE**

\* Mammary Gland

**OBSERVATIONS**

* Kidney	Infiltration Cellular	Lymphocyte, Minimal
* Mammary GI		
Note: No RC/WT attempt per pathologist		
* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Moderate
* Spleen	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 840

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100840

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Seminal Vesicle	* Spleen	* Testes
* Thymus	* Thyroid Gland		

**OBSERVATIONS**

* Coagulating Gland	Bilateral	Developmental Malformation	
[ Developmental Malformation TGLS = 1-2A ]			
* Kidney		Infiltration Cellular	Lymphocyte, Mild
* Liver		Infiltration Cellular	Lymphocyte, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland	Duct	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 841	<b>TRT#:</b> 8	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 162
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100841

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Coagulating Gland
* Epididymis	* Kidney	* Liver	* Pituitary Gland
* Rete Testes	* Seminal Vesicle	* Testes	* Thymus
* Thyroid Gland			

---

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Mild
* Spleen		Hyperplasia	Lymphoid, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 865

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100865

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Coagulating Gland  
\* Pituitary Gland  
\* Seminal Vesicle  
\* Thyroid Gland

\* Adrenal Medulla  
\* Epididymis  
\* Prostate, Dorsal/lateral Lobe  
\* Spleen

\* Bone  
\* Liver  
\* Prostate, Ventral Lobe  
\* Testes

\* Bone Marrow  
\* Mammary Gland  
\* Rete Testes  
\* Thymus

**OBSERVATIONS**

\* Kidney

Renal Tubule

Infiltration Cellular  
Regeneration

Lymphocyte, Minimal  
Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 866

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100866

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Coagulating Gland
* Epididymis	* Mammary Gland	* Rete Testes	* Seminal Vesicle
* Spleen	* Testes	* Thymus	* Thyroid Gland

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Kidney		Congestion	Mild
		Infiltration Cellular	Lymphocyte, Minimal
[ Congestion TGLS = 1-4 ]			
* Liver		Infiltration Cellular	Lymphocyte, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 867

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100867

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Coagulating Gland  
\* Prostate, Dorsal/lateral Lobe  
\* Testes

\* Adrenal Medulla  
\* Epididymis  
\* Rete Testes  
\* Thymus

\* Bone  
\* Mammary Gland  
\* Seminal Vesicle  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland  
\* Spleen

**OBSERVATIONS**

\* Kidney  
  
\* Liver  
\* Prostate, Ventral Lobe

Renal Tubule

Infiltration Cellular  
Regeneration  
Infiltration Cellular  
Infiltration Cellular

Lymphocyte, Minimal  
Minimal  
Lymphocyte, Minimal  
Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 868	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 163
	<b>DOSE:</b> F3 CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100868

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Coagulating Gland
* Mammary Gland	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Seminal Vesicle	* Spleen	* Testes
* Thymus	* Thyroid Gland		

---

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Coagulat GI Note: TGL 1 - NCL			
* Epididymis		Infiltration Cellular	Lymphocyte, Minimal
* Kidney	Renal Tubule	Dilatation	Mild
		Infiltration Cellular	Lymphocyte, Minimal
* Liver		Infiltration Cellular	Lymphocyte, Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 869

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 163

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100869

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Kidney	* Mammary Gland
* Pituitary Gland	* Rete Testes	* Seminal Vesicle	* Spleen
* Testes	* Thymus	* Thyroid Gland	

**OBSERVATIONS**

* Liver	Inflammation	Chronic Active, Minimal
* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe	Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 870

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100870

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Coagulating Gland  
\* Pituitary Gland  
\* Seminal Vesicle  
\* Thyroid Gland

\* Adrenal Medulla  
\* Epididymis  
\* Prostate, Dorsal/lateral Lobe  
\* Spleen

\* Bone  
\* Liver  
\* Prostate, Ventral Lobe  
\* Testes

\* Bone Marrow  
\* Mammary Gland  
\* Rete Testes  
\* Thymus

**OBSERVATIONS**

\* Kidney

Renal Tubule

Infiltration Cellular  
Regeneration

Lymphocyte, Minimal  
Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 871	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100871

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Epididymis	* Mammary Gland	* Prostate, Ventral Lobe	* Rete Testes
* Seminal Vesicle	* Testes		

---

**OBSERVATIONS**

* Coagulating Gland	Bilateral	Developmental Malformation	
[ Developmental Malformation TGLS = 1-2A ]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 872

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100872

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Coagulating Gland

\* Epididymis

\* Mammary Gland

\* Prostate, Ventral Lobe

\* Rete Testes

\* Seminal Vesicle

\* Testes

---

**OBSERVATIONS**

\* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 873	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 162
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100873

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Epididymis	* Mammary Gland	* Rete Testes	* Seminal Vesicle
* Testes			

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**OBSERVATIONS**

* Coagulating Gland [ Developmental Malformation TGLS = 1-2A ]	Developmental Malformation		
* Prostate, Dorsal/Lateral Lobe	Inflammation		Suppurative, Mild
* Prostate, Ventral Lobe	Infiltration Cellular		Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 874	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100874

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Epididymis	* Mammary Gland	* Rete Testes	* Seminal Vesicle
* Testes			

---

**OBSERVATIONS**

* Coagulating Gland [ Developmental Malformation TGLS = 1-2A ]	Developmental Malformation		
* Prostate, Dorsal/Lateral Lobe	Inflammation		Suppurative, Minimal
* Prostate, Ventral Lobe	Infiltration Cellular		Lymphocyte, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 875	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100875

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Coagulating Gland	* Epididymis	* Mammary Gland	* Prostate, Dorsal/lateral Lobe
* Rete Testes	* Seminal Vesicle	* Testes	

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**OBSERVATIONS**

* Prostate, Ventral Lobe	Infiltration Cellular	Lymphocyte, Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 876	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100876

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Epididymis	* Mammary Gland	* Prostate, Ventral Lobe	* Rete Testes
* Seminal Vesicle	* Testes		

---

**OBSERVATIONS**

* Coagulating Gland		Developmental Malformation	
[ Developmental Malformation TGLS = 1-2A ]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 877	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 162
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100877

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Coagulating Gland	* Epididymis	* Mammary Gland	Preputial Gland
* Rete Testes	* Seminal Vesicle	* Testes	

---

**OBSERVATIONS**

Preputial GI			
Note: TGL 1 - NCL			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 878

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100878

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Coagulating Gland

\* Epididymis

\* Mammary Gland

\* Prostate, Dorsal/lateral Lobe

\* Prostate, Ventral Lobe

\* Rete Testes

\* Seminal Vesicle

\* Testes

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 879	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 162
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100879

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Coagulating Gland	* Epididymis	* Prostate, Ventral Lobe	* Rete Testes
* Seminal Vesicle	* Testes		

---

**OBSERVATIONS**

* Mammary Gland	Duct	Hyperplasia	Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 880	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100880

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Coagulating Gland	* Epididymis	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Seminal Vesicle	* Testes	

---

**OBSERVATIONS**

* Kidney		Congestion	Mild
[ Congestion TGLS = 1-4 ]			
* Mammary Gland	Alveolus	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 881	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 162
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100881

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Epididymis	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Seminal Vesicle	* Testes		

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**OBSERVATIONS**

* Coagulating Gland		Developmental Malformation	
[ Developmental Malformation TGLS = 1-2A ]			
* Mammary Gland	Alveolus	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 882	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100882

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Coagulating Gland	* Epididymis	* Mammary Gland	* Prostate, Dorsal/lateral Lobe
* Rete Testes	* Seminal Vesicle	* Testes	

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**OBSERVATIONS**

* Prostate, Ventral Lobe	Infiltration Cellular	Lymphocyte, Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 883	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100883

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Coagulating Gland	* Epididymis	* Rete Testes	* Seminal Vesicle
* Testes			

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**OBSERVATIONS**

* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 884

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100884

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Liver	* Mammary Gland	* Pituitary Gland
* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Seminal Vesicle	* Spleen
* Testes	* Thymus	* Thyroid Gland	

**OBSERVATIONS**

* Coagulating Gland		Developmental Malformation	
[ Developmental Malformation TGLS = 1-2A ]			
* Kidney	Renal Tubule	Infiltration Cellular Regeneration	Lymphocyte, Minimal Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 885	<b>TRT#:</b> 8	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100885

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Mammary Gland
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Seminal Vesicle
* Spleen	* Testes	* Thymus	* Thyroid Gland

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**OBSERVATIONS**

* Kidney	Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Ventral Lobe	Infiltration Cellular	Lymphocyte, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 886

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 162

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100886

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Epididymis  
\* Rete Testes  
\* Thymus

\* Adrenal Medulla  
\* Mammary Gland  
\* Seminal Vesicle  
\* Thyroid Gland

\* Bone  
\* Pituitary Gland  
\* Spleen

\* Coagulating Gland  
\* Prostate, Dorsal/lateral Lobe  
\* Testes

**OBSERVATIONS**

\* Bone Marrow  
\* Kidney  
\* Liver  
\* Prostate, Ventral Lobe

Myeloid Cell

Hyperplasia  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular

Minimal  
Lymphocyte, Minimal  
Lymphocyte, Minimal  
Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 887

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100887

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Liver	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes
* Seminal Vesicle	* Spleen	* Testes	* Thymus
* Thyroid Gland			

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Coagulating Gland		Developmental Malformation	
	[ Developmental Malformation TGLS = 1-2A ]		
* Kidney	Interstitial	Fibrosis	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 888

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100888

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Liver	* Pituitary Gland
* Prostate, Ventral Lobe	* Rete Testes	* Seminal Vesicle	* Testes
* Thymus			

**OBSERVATIONS**

* Coagulat GI Note: TGL 1 - NCL			
* Kidney	Renal Tubule	Dilatation Infiltration Cellular Regeneration	Mild Lymphocyte, Minimal Minimal
	Renal Tubule	Hyperplasia	Minimal
* Mammary Gland	Alveolus	Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Hyperplasia	Lymphoid, Minimal
* Spleen		Cyst	Squamous
* Thyroid Gland		Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 900

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 165

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100900

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Coagulating Gland  
\* Mammary Gland  
\* Seminal Vesicle  
\* Thyroid Gland

\* Adrenal Medulla  
\* Epididymis  
\* Pituitary Gland  
\* Spleen

\* Bone  
\* Kidney  
\* Prostate, Dorsal/lateral Lobe  
\* Testes

\* Bone Marrow  
\* Liver  
\* Rete Testes  
\* Thymus

**OBSERVATIONS**

\* Prostate, Ventral Lobe

Infiltration Cellular

Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 901	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 165
	<b>DOSE:</b> F3 CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100901

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Mammary Gland	* Pituitary Gland
* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Seminal Vesicle	* Spleen
* Testes	* Thymus		

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**OBSERVATIONS**

* Kidney	Bilateral, Pelvis	Dilatation Infiltration Cellular	Moderate Lymphocyte, Minimal
[ Dilatation TGLS = 1-4 ]			
* Liver		Inflammation	Chronic Active, Minimal
* Pros, Dors/Lat Note: TGL 2 - NCL			
* Prostate, Ventral Lobe Note: TGL 2 - NCL		Infiltration Cellular	Lymphocyte, Minimal
* Thyroid Gland		Cyst	Squamous

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 902

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 165

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100902

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Coagulating Gland	* Epididymis	* Kidney	* Pituitary Gland
* Prostate, Ventral Lobe	* Rete Testes	* Seminal Vesicle	* Testes
* Thymus	* Thyroid Gland		

**OBSERVATIONS**

* Liver		Inflammation	Chronic Active, Minimal
* Mammary Gland	Duct	Hyperplasia	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 903

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 165

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100903

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Coagulating Gland  
\* Prostate, Ventral Lobe

\* Epididymis  
\* Rete Testes

\* Mammary Gland  
\* Seminal Vesicle

\* Prostate, Dorsal/lateral Lobe

---

**OBSERVATIONS**

\* Testes

Seminif Tub

Degeneration

Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 904

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 164

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100904

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Epididymis	* Mammary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Seminal Vesicle	* Testes	

---

**OBSERVATIONS**

* Coagulating Gland	Developmental Malformation
[ Developmental Malformation TGLS = 1-2A ]	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 905

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 165

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100905

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Coagulating Gland

\* Epididymis

\* Mammary Gland

\* Prostate, Dorsal/lateral Lobe

\* Rete Testes

\* Seminal Vesicle

\* Testes

---

**OBSERVATIONS**

\* Prostate, Ventral Lobe

Infiltration Cellular

Lymphocyte, Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 906

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 165

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100906

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Coagulating Gland  
\* Seminal Vesicle

\* Epididymis  
\* Testes

\* Prostate, Dorsal/lateral Lobe

\* Rete Testes

---

**OBSERVATIONS**

\* Mammary Gland  
\* Prostate, Ventral Lobe

Alveolus

Hyperplasia  
Infiltration Cellular

Mild  
Lymphocyte, Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 907

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 165

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100907

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Coagulating Gland  
\* Rete Testes

\* Mammary Gland  
\* Seminal Vesicle

\* Prostate, Dorsal/lateral Lobe  
\* Testes

\* Prostate, Ventral Lobe

---

**OBSERVATIONS**

\* Epididymis

Infiltration Cellular

Lymphocyte, Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 708

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100708

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Spleen

\* Adrenal Medulla  
\* Mammary Gland  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Kidney  
\* Ovary  
    Note: Transitional to Diestrus  
\* Uterus  
    Note: Transitional to Diestrus  
\* Vagina  
    Note: Transitional to Diestrus

Renal Tubule

Mineralization  
Metestrus  
  
Metestrus  
  
Metestrus

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 709	<b>TRT#:</b> 1	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3 CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100709

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Kidney	* Liver	* Oviduct	* Pituitary Gland
* Spleen	* Thymus	* Thyroid Gland	

---

**OBSERVATIONS**

* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Ovary		Diestrus	
* Uterus		Diestrus	
* Vagina		Diestrus	

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PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 710

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100710

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Thymus

\* Adrenal Medulla  
\* Oviduct  
\* Thyroid Gland

\* Bone  
\* Pituitary Gland

\* Bone Marrow  
\* Spleen

**OBSERVATIONS**

\* Kidney  
\* Mammary Gland  
  
\* Ovary  
\* Uterus  
\* Vagina

Renal Tubule  
Alveolus  
Lobules

Mineralization  
Hyperplasia  
Hyperplasia  
Diestrus  
Metestrus  
Diestrus

Minimal  
Mild  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 711	<b>TRT#:</b> 1	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3 CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100711

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Oviduct	* Pituitary Gland	* Spleen	* Thymus
* Thyroid Gland			

---

**OBSERVATIONS**

* Kidney	Cortex	Cyst	
	Renal Tubule	Mineralization	Minimal
* Liver		Developmental Malformation	
	[ Developmental Malformation TGLS = 1-5 ]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
	Lobules	Hyperplasia	Minimal
* Ovary		Proestrus	
* Uterus		Proestrus	
* Vagina		Proestrus	

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 712

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100712

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Oviduct

\* Adrenal Medulla  
\* Pituitary Gland

\* Bone  
\* Thymus

\* Liver  
\* Thyroid Gland

**OBSERVATIONS**

\* Bone Marrow  
\* Kidney  
\* Mammary Gland  
\* Ovary

Renal Tubule

Pigmentation  
Mineralization  
Lactation  
Cyst  
Estrus

Marked  
Minimal

Note: TGL 2 - NCL  
[ Cyst TGLS = 1-9 ]

\* Spleen

Congestion  
Pigmentation  
Estrus  
Metestrus

Moderate  
Minimal

\* Uterus  
\* Vagina

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 713

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100713

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Oviduct

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Minimal
	Lobules	Hyperplasia	Mild
* Ovary		Proestrus	
* Uterus		Proestrus	
* Vagina		Proestrus	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 714

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100714

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Mammary Gland

\* Oviduct

---

**OBSERVATIONS**

\* Ovary

Diestrus

\* Uterus

Diestrus

Note: late diestrus

\* Vagina

Diestrus

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 715	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100715

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Mammary Gland	* Oviduct
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**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Diestrus	
* Uterus		Diestrus	
* Vagina		Diestrus	

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 716

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100716

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Oviduct

---

**OBSERVATIONS**

\* Mammary Gland

Lactation

\* Ovary

Metestrus

Note: Transitional to Diestrus

\* Uterus

Metestrus

Note: Transitional to Diestrus

\* Vagina

Metestrus

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 717	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100717

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Mammary Gland	* Oviduct
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**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Estrus	
* Uterus		Estrus	
* Vagina		Estrus	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 718	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100718

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Oviduct

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**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Mild
* Mammary Gland	Alveolus	Hyperplasia	Marked
	Lobules	Hyperplasia	Moderate
* Ovary		Estrus	
* Uterus		Estrus	
* Vagina		Metestrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 719	<b>TRT#:</b> 3	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100719

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Mammary Gland	* Oviduct
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**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Mild
* Ovary		Metestrus	
* Uterus		Metestrus	
* Vagina		Metestrus	

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 720

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100720

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Kidney \* Oviduct

**OBSERVATIONS**

* Mammary Gland	Alveolus	Hyperplasia	Marked
	Lobules	Hyperplasia	Moderate
* Ovary		Proestrus	
* Uterus		Proestrus	
Note: TGL 1 is normal proestrus			
Note: TGL 1 - NCL			
* Vagina		Proestrus	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 721

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100721

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Oviduct

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Moderate
* Mammary Gland	Alveolus	Hyperplasia	Mild
	Lobules	Hyperplasia	Minimal
* Ovary		Metestrus	
* Uterus		Metestrus	
* Vagina		Metestrus	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 722

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 159

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100722

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Oviduct

**OBSERVATIONS**

* Kidney	Cortex	Cyst	
	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Ovary		Proestrus	
* Uterus		Proestrus	
Note: TGL 1 - NCL			
Note: TGL 1 is normal proestrus			
* Vagina		Proestrus	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 723	<b>TRT#:</b> 3	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 159
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100723

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Mammary Gland	* Oviduct
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---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Diestrus	
* Uterus		Diestrus	
* Vagina		Diestrus	

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 724

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100724

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Spleen

\* Adrenal Medulla  
\* Liver  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Mammary Gland  
\* Ovary  
\* Uterus

Alveolus

Hyperplasia  
Proestrus  
Proestrus

Minimal

Note: TGL 1 - NCL

Note: TGL 1 is normal proestrus

\* Vagina

Proestrus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 725

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100725

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Thymus

\* Adrenal Medulla  
\* Oviduct  
\* Thyroid Gland

\* Bone  
\* Pituitary Gland

\* Bone Marrow  
\* Spleen

**OBSERVATIONS**

\* Kidney  
\* Mammary Gland  
\* Ovary  
\* Uterus  
\* Vagina

Cortex  
Alveolus

Cyst  
Hyperplasia  
Diestrus  
Diestrus  
Diestrus

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 726

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100726

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Spleen

\* Adrenal Medulla  
\* Mammary Gland  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Kidney  
\* Ovary  
\* Uterus  
    Note: TGL 1 - NCL  
    Note: TGL 1 is normal proestrus  
\* Vagina

Renal Tubule

Mineralization  
Proestrus  
Proestrus

Minimal

Proestrus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 727

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100727

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Spleen

\* Adrenal Medulla  
\* Mammary Gland  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Kidney  
[ Cyst TGLS = 1-4 ]  
\* Ovary  
\* Uterus  
\* Vagina

Cortex

Cyst  
Estrus  
Estrus  
Estrus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 728	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 160
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100728

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Liver	* Oviduct	* Pituitary Gland	* Spleen
* Thymus	* Thyroid Gland		

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Minimal
	Lobules	Hyperplasia	Minimal
* Ovary		Estrus	
* Uterus		Estrus	
* Vagina		Estrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 729	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 160
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100729

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Liver	* Oviduct	* Pituitary Gland	* Spleen
* Thymus	* Thyroid Gland		

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
	Lobules	Hyperplasia	Mild
* Ovary		Proestrus	
* Uterus		Proestrus	
* Vagina		Proestrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 753

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 162

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100753

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Spleen

\* Adrenal Medulla  
\* Liver  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Mammary Gland  
  
\* Ovary  
\* Uterus  
\* Vagina

Alveolus  
Lobules

Hyperplasia  
Hyperplasia  
Diestrus  
Diestrus  
Diestrus

Mild  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 754

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100754

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Thymus

\* Adrenal Medulla  
\* Oviduct  
\* Thyroid Gland

\* Bone  
\* Pituitary Gland

\* Bone Marrow  
\* Spleen

**OBSERVATIONS**

\* Kidney  
\* Mammary Gland

Renal Tubule  
Alveolus  
Lobules

Mineralization  
Hyperplasia  
Hyperplasia  
Lactation  
Estrus  
Estrus  
Estrus

Minimal  
Marked  
Marked

\* Ovary  
\* Uterus  
\* Vagina

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 755

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100755

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Spleen

\* Adrenal Medulla  
\* Mammary Gland  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Kidney  
\* Ovary  
\* Uterus  
\* Vagina

Renal Tubule

Mineralization  
Diestrus  
Diestrus  
Diestrus

Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 756

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100756

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Thymus

\* Adrenal Medulla  
\* Oviduct  
\* Thyroid Gland

\* Bone  
\* Pituitary Gland

\* Bone Marrow  
\* Spleen

**OBSERVATIONS**

\* Kidney  
\* Mammary Gland  
\* Ovary  
\* Uterus  
\* Vagina

Renal Tubule  
Alveolus

Mineralization  
Hyperplasia  
Metestrus  
Metestrus  
Metestrus

Mild  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 757

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100757

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Thymus

\* Adrenal Medulla  
\* Oviduct  
\* Thyroid Gland

\* Bone  
\* Pituitary Gland

\* Bone Marrow  
\* Spleen

**OBSERVATIONS**

\* Kidney  
  
\* Mammary Gland  
\* Ovary

Cortex  
Renal Tubule  
Lobules  
Corpus Luteum

Cyst  
Mineralization  
Hyperplasia  
Cyst  
Metestrus

Mild  
Minimal

Note: Transitional to Diestrus  
\* Uterus  
Note: Transitional to Diestrus  
\* Vagina  
Note: Transitional to Diestrus

Metestrus  
  
Metestrus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 758

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100758

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Thymus

\* Adrenal Medulla  
\* Mammary Gland  
\* Thyroid Gland

\* Bone  
\* Oviduct

\* Bone Marrow  
\* Spleen

**OBSERVATIONS**

\* Kidney  
\* Ovary  
\* Pituitary Gland  
\* Uterus  
\* Vagina

Renal Tubule

Mineralization  
Diestrus  
Cyst  
Diestrus  
Diestrus

Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 759	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100759

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Mammary Gland	* Oviduct
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---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Proestrus	
* Uterus		Proestrus	
* Vagina		Proestrus	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 760

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100760

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Mammary Gland

\* Oviduct

---

**OBSERVATIONS**

\* Ovary

Estrus

\* Uterus

Estrus

\* Vagina

Estrus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 761	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100761

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Mammary Gland	* Oviduct
-----------------	-----------

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Diestrus	
* Uterus		Diestrus	
* Vagina		Diestrus	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 763	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100763

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Kidney	* Oviduct
----------	-----------

---

**OBSERVATIONS**

* Mammary Gland	Alveolus	Hyperplasia	Minimal
	Lobules	Hyperplasia	Minimal
* Ovary		Estrus	
* Uterus		Estrus	
* Vagina		Estrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 764

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100764

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Mammary Gland

\* Oviduct

---

**OBSERVATIONS**

\* Ovary

Proestrus

\* Uterus

Proestrus

\* Vagina

Proestrus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 765	<b>TRT#:</b> 3	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 160
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100765

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Oviduct

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
	Lobules	Hyperplasia	Minimal
* Ovary		Estrus	
* Uterus		Estrus	
* Vagina		Estrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 766

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 160

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100766

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Oviduct

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
	Lobules	Hyperplasia	Minimal
* Ovary		Estrus	
* Uterus		Estrus	
* Vagina		Estrus	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 767

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 160

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100767

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Oviduct

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Ovary		Proestrus	
* Uterus		Proestrus	
* Vagina		Proestrus	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 768	<b>TRT#:</b> 3	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 160
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100768

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Oviduct

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
	Lobules	Hyperplasia	Minimal
		Lactation	
* Ovary		Hyperplasia	Sertoliform, Minimal
		Metestrus	
* Uterus		Metestrus	
* Vagina		Metestrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 770

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100770

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Spleen

\* Adrenal Medulla  
\* Liver  
\* Thymus

\* Bone  
\* Oviduct

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Mammary Gland  
\* Ovary  
\* Thyroid Gland  
\* Uterus  
\* Vagina

Lobules

Hyperplasia  
Estrus  
Keratin Cyst  
Estrus  
Estrus

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 771

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100771

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Pituitary Gland

\* Adrenal Medulla  
\* Liver  
\* Spleen

\* Bone  
\* Mammary Gland  
\* Thymus

\* Bone Marrow  
\* Oviduct  
\* Thyroid Gland

---

**OBSERVATIONS**

\* Ovary  
\* Uterus  
\* Vagina

Metestrus  
Metestrus  
Diestrus

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 772	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100772

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Kidney	* Liver	* Oviduct	* Pituitary Gland
* Spleen	* Thymus	* Thyroid Gland	

---

**OBSERVATIONS**

* Mammary Gland	Alveolus	Hyperplasia	Minimal
	Lobules	Hyperplasia	Moderate
* Ovary		Metestrus	
* Uterus		Metestrus	
* Vagina		Metestrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 773	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100773

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Liver	* Oviduct	* Pituitary Gland	* Spleen
* Thymus	* Thyroid Gland		

---

**OBSERVATIONS**

* Kidney	Cortex	Cyst	
	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Lobules	Hyperplasia	Minimal
* Ovary		Proestrus	
* Uterus		Proestrus	
* Vagina		Proestrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 774	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100774

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Liver	* Oviduct	* Pituitary Gland	* Spleen
* Thymus	* Thyroid Gland		

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Lobules	Hyperplasia	Minimal
* Ovary		Diestrus	
* Uterus		Metestrus	
* Vagina		Metestrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 775	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 160
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100775

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Liver	* Oviduct	* Pituitary Gland	* Spleen
* Thymus	* Thyroid Gland		

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Diestrus	
* Uterus		Diestrus	
* Vagina		Diestrus	

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 797

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 162

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100797

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Spleen

\* Adrenal Medulla  
\* Mammary Gland  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Kidney  
\* Ovary  
\* Uterus  
\* Vagina

Renal Tubule

Mineralization  
Proestrus  
Proestrus  
Proestrus

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 798

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 162

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100798

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Pituitary Gland

\* Adrenal Medulla  
\* Liver  
\* Thymus

\* Bone  
\* Mammary Gland  
\* Thyroid Gland

\* Bone Marrow  
\* Oviduct

**OBSERVATIONS**

\* Ovary  
\* Spleen  
\* Uterus  
    Note: TGL 1 - NCL  
    Note: TGL 1 is normal proestrus  
\* Vagina

Proestrus  
Pigmentation  
Proestrus  
  
Mild  
  
Estrus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 799

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100799

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Spleen

\* Adrenal Medulla  
\* Mammary Gland  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Kidney  
\* Ovary  
\* Uterus  
\* Vagina

Renal Tubule

Mineralization  
Diestrus  
Diestrus  
Diestrus

Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 800

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100800

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Spleen

\* Adrenal Medulla  
\* Mammary Gland  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Kidney  
  
\* Ovary  
\* Uterus  
\* Vagina

Cortex  
Renal Tubule

Cyst  
Mineralization  
Diestrus  
Diestrus  
Diestrus

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 801	<b>TRT#:</b> 1	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3 CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100801

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Liver	* Mammary Gland	* Oviduct	* Pituitary Gland
* Spleen	* Thymus	* Thyroid Gland	

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Metestrus	
Note: Transitional to Diestrus			
* Uterus		Metestrus	
Note: Transitional to Diestrus			
* Vagina		Metestrus	
Note: Transitional to Diestrus			

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 802

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100802

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Thymus

\* Adrenal Medulla  
\* Oviduct  
\* Thyroid Gland

\* Bone  
\* Pituitary Gland

\* Bone Marrow  
\* Spleen

**OBSERVATIONS**

\* Kidney  
\* Mammary Gland  
\* Ovary  
\* Uterus  
\* Vagina

Renal Tubule  
Alveolus

Mineralization  
Hyperplasia  
Diestrus  
Diestrus  
Diestrus

Minimal  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 803	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100803

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Mammary Gland	* Oviduct
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---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Moderate
* Ovary		Metestrus	
* Uterus		Metestrus	
* Vagina		Metestrus	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 804	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100804

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Mammary Gland	* Oviduct
-----------------	-----------

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Metestrus	
* Uterus		Metestrus	
* Vagina		Metestrus	

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 805	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100805

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Mammary Gland	* Oviduct
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---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Diestrus	
* Uterus		Diestrus	
* Vagina		Diestrus	

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 806

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100806

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Oviduct

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Lobules	Hyperplasia	Minimal
* Ovary		Diestrus	
* Uterus		Diestrus	
* Vagina		Diestrus	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 807	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100807

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Oviduct

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**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Ovary		Diestrus	
* Uterus		Diestrus	
* Vagina		Diestrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 808	<b>TRT#:</b> 3	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100808

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Mammary Gland	* Oviduct
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---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Metestrus	
* Uterus		Proestrus	
* Vagina		Proestrus	

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 809

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 160

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100809

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Oviduct

**OBSERVATIONS**

* Kidney		Infarct	
	Renal Tubule	Mineralization	Mild
[ Infarct TGLS = 1-4 ]			
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Ovary		Metestrus	
* Uterus		Metestrus	
* Vagina		Metestrus	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 810

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 160

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100810

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Oviduct

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Lobules	Hyperplasia	Minimal
* Ovary		Proestrus	
* Uterus		Proestrus	
* Vagina		Estrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 811	<b>TRT#:</b> 3	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 160
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100811

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Kidney	* Mammary Gland	* Oviduct
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**OBSERVATIONS**

* Ovary	Diestrus
* Uterus	Diestrus
* Vagina	Diestrus

---

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 812	<b>TRT#:</b> 3	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 160
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100812

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Mammary Gland	* Oviduct
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---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Proestrus	
* Uterus		Proestrus	
* Vagina		Estrus	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 813

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100813

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Spleen

\* Adrenal Medulla  
\* Mammary Gland  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Kidney  
\* Ovary  
\* Uterus  
\* Vagina

Renal Tubule

Mineralization  
Proestrus  
Proestrus  
Proestrus

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 814

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100814

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Spleen

\* Adrenal Medulla  
\* Mammary Gland  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

---

**OBSERVATIONS**

\* Kidney  
\* Ovary  
\* Uterus  
\* Vagina

Nephropathy  
Proestrus  
Proestrus  
Proestrus

Focal, Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 815	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100815

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Liver	* Oviduct	* Pituitary Gland	* Spleen
* Thymus	* Thyroid Gland		

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Lobules	Hyperplasia	Minimal
* Ovary		Estrus	
* Uterus		Estrus	
* Vagina		Estrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 816	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100816

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Liver	* Oviduct	* Pituitary Gland	* Spleen
* Thymus	* Thyroid Gland		

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Ovary		Estrus	
* Uterus		Estrus	
* Vagina		Metestrus	

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 817

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100817

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Spleen

\* Adrenal Medulla  
\* Mammary Gland  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Kidney                      Renal Tubule  
\* Ovary  
    Note: Only fragment of Ovary present, not conclusive  
\* Uterus  
\* Vagina

Mineralization  
Proestrus  
  
Proestrus  
Proestrus

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 818	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100818

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Mammary Gland	* Oviduct	* Pituitary Gland	* Thymus
* Thyroid Gland			

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Mild
* Liver		Inflammation	Chronic Active, Minimal
* Ovary		Proestrus	
* Spleen		Pigmentation	Mild
* Uterus		Proestrus	
* Vagina		Proestrus	

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PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 842

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 162

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100842

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Thymus

\* Adrenal Medulla  
\* Oviduct  
\* Thyroid Gland

\* Bone  
\* Pituitary Gland

\* Bone Marrow  
\* Spleen

**OBSERVATIONS**

\* Kidney  
\* Mammary Gland  
\* Ovary  
\* Uterus  
\* Vagina

Renal Tubule  
Lobules

Mineralization  
Hyperplasia  
Estrus  
Estrus  
Metestrus

Mild  
Minimal

Note: Transitional from Estrus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 843

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 162

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100843

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Thymus

\* Adrenal Medulla  
\* Mammary Gland  
\* Thyroid Gland

\* Bone  
\* Oviduct

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Kidney  
\* Ovary

Renal Tubule

Mineralization  
Cyst  
Proestrus

Minimal

[ Cyst TGLS = 1-1 ]

\* Spleen  
\* Uterus  
\* Vagina

Pigmentation  
Proestrus  
Proestrus

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 844	<b>TRT#:</b> 1	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 162
	<b>DOSE:</b> F3 CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100844

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Liver	* Mammary Gland	* Oviduct	* Pituitary Gland
* Spleen	* Thymus	* Thyroid Gland	

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Metestrus	
Note: Transitional to Diestrus			
* Uterus		Metestrus	
Note: Transitional to Diestrus			
* Vagina		Metestrus	

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 845

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100845

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Spleen

\* Adrenal Medulla  
\* Mammary Gland  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

**OBSERVATIONS**

\* Kidney  
\* Ovary  
\* Uterus  
\* Vagina

Renal Tubule

Mineralization  
Estrus  
Estrus  
Estrus

Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 846

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100846

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Spleen

\* Adrenal Medulla  
\* Liver  
\* Thymus

\* Bone  
\* Oviduct  
\* Thyroid Gland

\* Bone Marrow  
\* Pituitary Gland

---

**OBSERVATIONS**

\* Mammary Gland  
\* Ovary  
\* Uterus  
\* Vagina

Alveolus

Hyperplasia  
Metestrus  
Metestrus  
Metestrus

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 847	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 162
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100847

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Mammary Gland	* Oviduct
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**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Diestrus	
* Uterus		Diestrus	
* Vagina		Diestrus	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 848

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/2PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100848

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Mammary Gland

\* Oviduct

---

**OBSERVATIONS**

\* Clitoral Gland

Distended

Inflammation

Chronic Active, Moderate

[ Inflammation TGLS = 1-9 ]

\* Ovary

Metestrus

\* Uterus

Metestrus

\* Vagina

Metestrus

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 850	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100850

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Mammary Gland	* Oviduct
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**OBSERVATIONS**

Intestine Small, Jejunum [ Hyperplasia TGLS = 1-9 ]	Peyers Patch	Hyperplasia	Minimal
* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Metestrus	
* Uterus		Metestrus	
* Vagina		Metestrus	

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 851	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100851

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Mammary Gland	* Oviduct
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**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Diestrus	
* Uterus		Diestrus	
* Vagina		Proestrus	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 852	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100852

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Mammary Gland	* Oviduct
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---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Proestrus	
* Uterus		Proestrus	
* Vagina		Proestrus	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 853	<b>TRT#:</b> 3	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100853

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Mammary Gland	* Oviduct
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**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Mild
* Ovary		Metestrus	
* Uterus		Metestrus	
* Vagina		Metestrus	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 854

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100854

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Oviduct

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Ovary		Diestrus	
* Uterus		Diestrus	
* Vagina		Diestrus	

Note: late diestrus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 855

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100855

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Mammary Gland

\* Oviduct

---

**OBSERVATIONS**

\* Kidney

Infarct

\* Ovary

Proestrus

\* Uterus

Proestrus

\* Vagina

Proestrus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 856	<b>TRT#:</b> 3	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100856

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Mammary Gland	* Oviduct
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---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Estrus	
* Uterus		Estrus	
* Vagina		Estrus	

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 857	<b>TRT#:</b> 3	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/10PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100857

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Mammary Gland

---

**MISSING**

\* Ovary \* Oviduct

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary			
Note: Wet tissue attempted			
* Oviduct			
Note: Wet tissue attempted			
* Uterus		Diestrus	
Note: late diestrus			
* Vagina		Proestrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 858

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100858

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Mammary Gland

\* Oviduct

---

**OBSERVATIONS**

\* Ovary

Proestrus

\* Uterus

Proestrus

\* Vagina

Proestrus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 859

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 162

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100859

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Mammary Gland  
\* Thymus

\* Adrenal Medulla  
\* Oviduct  
\* Thyroid Gland

\* Bone  
\* Pituitary Gland

\* Bone Marrow  
\* Spleen

**OBSERVATIONS**

\* Kidney  
\* Liver  
\* Ovary  
\* Skin  
    [ Inflammation TGLS = 1-9 ]  
\* Uterus  
\* Vagina

Renal Tubule

Mineralization  
Inflammation  
Metestrus  
Inflammation

Metestrus  
Metestrus

Minimal  
Chronic Active, Minimal  
Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 860

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 162

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100860

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Pituitary Gland

\* Adrenal Medulla  
\* Liver  
\* Spleen

\* Bone  
\* Mammary Gland  
\* Thymus

\* Bone Marrow  
\* Oviduct  
\* Thyroid Gland

---

**OBSERVATIONS**

\* Ovary  
\* Uterus  
\* Vagina

Proestrus  
Proestrus  
Proestrus

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 861

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 162

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100861

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Pituitary Gland

\* Adrenal Medulla  
\* Liver  
\* Spleen

\* Bone  
\* Mammary Gland  
\* Thymus

\* Bone Marrow  
\* Oviduct  
\* Thyroid Gland

---

**OBSERVATIONS**

\* Ovary  
\* Uterus  
\* Vagina

Diestrus  
Diestrus  
Diestrus

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 862

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 162

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100862

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Thymus

\* Adrenal Medulla  
\* Oviduct  
\* Thyroid Gland

\* Bone  
\* Pituitary Gland

\* Bone Marrow  
\* Spleen

**OBSERVATIONS**

\* Kidney  
\* Mammary Gland  
  
\* Ovary  
\* Uterus  
\* Vagina  
Note: early

Renal Tubule  
Alveolus  
Lobules

Mineralization  
Hyperplasia  
Hyperplasia  
Metestrus  
Metestrus  
Metestrus

Minimal  
Mild  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 863	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 161
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100863

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Kidney	* Liver	* Oviduct	* Pituitary Gland
* Spleen	* Thymus		

---

**OBSERVATIONS**

* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Ovary		Proestrus	
* Thyroid Gland		Keratin Cyst	
* Uterus		Proestrus	
* Vagina		Proestrus	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 864

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 161

**DOSE:** F3/50PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100864

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Pituitary Gland

\* Adrenal Medulla  
\* Liver  
\* Spleen

\* Bone  
\* Mammary Gland  
\* Thymus

\* Bone Marrow  
\* Oviduct  
\* Thyroid Gland

**OBSERVATIONS**

\* Ovary  
\* Uterus

Proestrus  
Proestrus

Note: TGL 1 is normal proestrus

Note: TGL 1 - NCL

\* Vagina

Proestrus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 890

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 165

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100890

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver  
\* Thymus

\* Adrenal Medulla  
\* Oviduct  
\* Thyroid Gland

\* Bone  
\* Pituitary Gland

\* Bone Marrow  
\* Spleen

**OBSERVATIONS**

\* Kidney  
\* Mammary Gland  
\* Ovary  
\* Uterus  
\* Vagina

Renal Tubule  
Alveolus

Mineralization  
Hyperplasia  
Diestrus  
Diestrus  
Diestrus

Mild  
Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 891	<b>TRT#:</b> 1	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 165
	<b>DOSE:</b> F3 CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100891

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Kidney	* Liver	* Mammary Gland	* Oviduct
* Pituitary Gland	* Spleen	* Thymus	* Thyroid Gland

---

**OBSERVATIONS**

* Ovary	Estrus
* Uterus	Estrus
* Vagina	Estrus

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 892

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 165

**DOSE:** F3 CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100892

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Kidney  
\* Thyroid Gland

\* Adrenal Medulla  
\* Liver

\* Bone  
\* Oviduct

\* Bone Marrow  
\* Thymus

**OBSERVATIONS**

\* Mammary Gland  
\* Ovary  
\* Pituitary Gland  
\* Spleen  
\* Uterus  
\* Vagina

Lobules

Hyperplasia  
Diestrus  
Cyst  
Pigmentation  
Metestrus  
Diestrus

Minimal

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 893	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 165
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100893

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Mammary Gland	* Oviduct
-----------------	-----------

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Proestrus	
* Uterus		Proestrus	
* Vagina		Proestrus	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 894	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 165
	<b>DOSE:</b> F3/2PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100894

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Mammary Gland	* Oviduct
-----------------	-----------

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Proestrus	
* Uterus		Proestrus	
* Vagina		Estrus	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 895

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 165

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100895

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Oviduct

**OBSERVATIONS**

* Kidney		Hydronephrosis	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Ovary		Estrus	
* Uterus		Estrus	
* Vagina		Estrus	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 898

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 165

**DOSE:** F3/10PPB TO CTRL

**DISP:** Terminal Sacrifice

**HISTO:** 021380100898

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Mammary Gland

\* Oviduct

---

**OBSERVATIONS**

\* Ovary

Proestrus

\* Uterus

Proestrus

Note: TGL 1 is normal proestrus

Note: TGL 1 - NCL

\* Vagina

Estrus

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99920-96  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:59:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>ANIMAL ID:</b> 899	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 165
	<b>DOSE:</b> F3/50PPB TO CTRL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021380100899

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Liver	* Mammary Gland	* Oviduct	* Pituitary Gland
* Spleen	* Thymus	* Thyroid Gland	

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
* Ovary		Estrus	
* Uterus		Estrus	
* Vagina		Estrus	

---

PRIMARY CAUSE OF DEATH

-

---

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

\* PROTOCOL REQUIRED TISSUE