

**Study Number:** MOG006  
**Test Type:** MOG - Range Finding  
**Route:** Oral Gavage - Constant Volume  
**Species/Strain:** Rat/Sprague-Dawley

**R20: Pup Necropsy (Gross Observations for Unweaned Pups) Summary**

**Test Compound:** Hydroxyurea  
**CAS Number:** 127-07-1

**Date Report Requested:** 02/03/2020  
**Time Report Requested:** 13:37:17  
**Lab:** RTI

**C Number:**

MOG006

**Study Gender:**

Female

**PWG Approval Date**

See web page for date of PWG Approval

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F1 Pups

Treatment Groups (mg/kg/day)

	0	37.5	75	100	150
<b>Disposition Summary</b>					
Pups	104	78	105	89	89
Litters	8	6	8	7	7
<b>Scheduled Sacrifice</b>					
Scheduled Removal (Terminal)	95 (8)	62 (5)	82 (7)	73 (7)	
<b>Early Deaths</b>					
Cannibalized		2 (2)			1 (1)
Euthanized Humane	1 (1)	4 (1)	3 (1)	1 (1)	
Euthanized Moribund				4 (2)	75 (7)
Found Dead	8 (4)	5 (3)	12 (3)	11 (3)	13 (5)
Pup Missing - Presumed Dead		5 (2)	8 (2)		
<b>No. pups examined</b>					
No. Litters	9	11	15	16	88
No. Litters	4	3	3	3	7
Normal	4 (1)	5 (2)	2 (1)	3 (2)	33 (7)
<b>ALIMENTARY SYSTEM</b>					
<b>Abdomen</b>					
Intestine, Discolored, red	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.1)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)
Intestine, Discolored, yellow	0 (0.0)	0 (0.0)	0 (0.0)	1 (6.3)	0 (0.0)
	0 (0.0)	0 (0.0)	0 (0.0)	1 (33.3)	0 (0.0)
Intestine, Enlarged	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.1)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)

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Treatment Groups (mg/kg/day)

	0	37.5	75	100	150
Intestine, No ingesta	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (2.3)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)
Intestine, Pale	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.1)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)
Liver, all lobes, Pale	0 (0.0)	0 (0.0)	0 (0.0)	6 (37.5)	19 (21.6)
	0 (0.0)	0 (0.0)	0 (0.0)	1 (33.3)	4 (57.1)
Stomach, Distended with milk	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (2.3)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)
Stomach, Distended	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	13 (14.8)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	3 (42.9)
Stomach, Distended, yellow	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	3 (3.4)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)
Stomach, Milk/food absent	4 (44.4)	5 (45.5)	3 (20.0)	3 (18.8)	19 (21.6)
	3 (75.0)	1 (33.3)	1 (33.3)	2 (66.7)	3 (42.9)
CARDIOVASCULAR SYSTEM					
Heart					
Heart, Enlarged	0 (0.0)	0 (0.0)	0 (0.0)	2 (12.5)	0 (0.0)
	0 (0.0)	0 (0.0)	0 (0.0)	1 (33.3)	0 (0.0)
ENDOCRINE SYSTEM					
No findings					
GENERAL BODY SYSTEM					
General					
Abdomen, entire, Autolyzed, unable to evaluate	0 (0.0)	1 (9.1)	7 (46.7)	3 (18.8)	0 (0.0)
	0 (0.0)	1 (33.3)	1 (33.3)	1 (33.3)	0 (0.0)

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	0	37.5	75	100	150
General, Autolyzed, unable to evaluate	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.1)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)
General, Cannibalized, unable to evaluate	0 (0.0)	0 (0.0)	0 (0.0)	1 (6.3)	0 (0.0)
	0 (0.0)	0 (0.0)	0 (0.0)	1 (33.3)	0 (0.0)
GENITAL SYSTEM					
No findings					
HEMATOLYMPHOID SYSTEM					
No findings					
INTEGUMENTARY SYSTEM					
No findings					
MUSCULOSKELETAL SYSTEM					
No findings					
NERVOUS SYSTEM					
Head					
Brain, Discolored, red	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	4 (4.5)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (28.6)
Brain, Multiple foci, red	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.1)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)
RESPIRATORY SYSTEM					
Thorax (excluding heart)					
Lung, all lobes, Dilated	0 (0.0)	0 (0.0)	1 (6.7)	0 (0.0)	0 (0.0)
	0 (0.0)	0 (0.0)	1 (33.3)	0 (0.0)	0 (0.0)
Lung, all lobes, Discolored	0 (0.0)	0 (0.0)	0 (0.0)	3 (18.8)	0 (0.0)
	0 (0.0)	0 (0.0)	0 (0.0)	1 (33.3)	0 (0.0)

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	0	37.5	75	100	150
Lung, all lobes, Discolored, red	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.1)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)
Lung, left lobe, Constricted	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.1)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)
Lung, left lobe, Dilated	1 (11.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
	1 (25.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

SPECIAL SENSES SYSTEM

No findings

URINARY SYSTEM

Abdomen

Kidney, bilateral, Pale	0 (0.0)	0 (0.0)	0 (0.0)	4 (25.0)	13 (14.8)
	0 (0.0)	0 (0.0)	0 (0.0)	2 (66.7)	4 (57.1)
Kidney, bilateral, Pale, yellow	0 (0.0)	0 (0.0)	0 (0.0)	4 (25.0)	0 (0.0)
	0 (0.0)	0 (0.0)	0 (0.0)	1 (33.3)	0 (0.0)
Kidney, left, Pale	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (2.3)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (28.6)
Kidney, right, Pale	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.1)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)

Pelvis

Ureter, bilateral, Distended	0 (0.0)	0 (0.0)	2 (13.3)	0 (0.0)	0 (0.0)
	0 (0.0)	0 (0.0)	1 (33.3)	0 (0.0)	0 (0.0)
Ureter, bilateral, Enlarged	0 (0.0)	0 (0.0)	1 (6.7)	0 (0.0)	0 (0.0)
	0 (0.0)	0 (0.0)	1 (33.3)	0 (0.0)	0 (0.0)
Ureter, left, Distended	1 (11.1)	1 (9.1)	0 (0.0)	0 (0.0)	1 (1.1)
	1 (25.0)	1 (33.3)	0 (0.0)	0 (0.0)	1 (14.3)

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	0	37.5	75	100	150
Ureter, right, Distended	0 (0.0)	2 (18.2)	0 (0.0)	0 (0.0)	3 (3.4)
	0 (0.0)	1 (33.3)	0 (0.0)	0 (0.0)	1 (14.3)
Urinary bladder, Distended	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	4 (4.5)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	3 (42.9)
Urinary bladder, Enlarged	0 (0.0)	0 (0.0)	0 (0.0)	1 (6.3)	0 (0.0)
	0 (0.0)	0 (0.0)	0 (0.0)	1 (33.3)	0 (0.0)
Urinary bladder, Hemorrhagic, red	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (2.3)
	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (14.3)

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LEGEND

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Disposition Summary is Number of pups (litters represented)

Upper row denotes number of affected pups (%) and lower row the number of affected litters (%)

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