

**Study Number:** MOG03040  
**Test Type:** MOG - Range Finding  
**Route:** Oral Gavage  
**Species/Strain:** Rat/Harlan Sprague Dawley

**I05P: Pup Clinical Observations Summary**  
**Test Compound:** Deoxynivalenol  
**CAS Number:** 51481-10-8

**Date Report Requested:** 06/08/2020  
**Time Report Requested:** 08:31:03  
**Lab:** Southern Research

**Study Number:**

MOG03040

**Study Gender:**

Both

**PWG Approval Date**

See web page for date of PWG Approval

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F1 Pups

Treatment Groups (mg/kg/day)

	0	0.03	0.1	0.3	1.0	3.0
Total Pups (PND 0)	157	131	139	133	157	121
No. pups post cull (PND 4)	72	80	80	77	75	76
Total Litters (PND 0)	12	10	10	10	13	10
No. litters post cull (PND 4)	9	10	10	10	10	10

Pup Clinical Observations PND 0-4

Bruising	3 (1.9)	4 (3.1)	6 (4.3)	1 (0.8)	5 (3.2)	8 (6.6)
Abdomen	3 (25.0)	3 (30.0)	3 (30.0)	1 (10.0)	4 (30.8)	6 (60.0)
	PND 0-4	PND 0-2	PND 0-2	PND 1-2	PND 0-2	PND 0-4
Bruising	2 (1.3)	0	4 (2.9)	1 (0.8)	2 (1.3)	6 (5.0)
Dorsum	1 (8.3)	0	3 (30.0)	1 (10.0)	2 (15.4)	4 (40.0)
	PND 1-2		PND 1-2	PND 1-2	PND 0-1	PND 0-2
Bruising	4 (2.5)	4 (3.1)	3 (2.2)	1 (0.8)	10 (6.4)	12 (9.9)
Head	4 (33.3)	2 (20.0)	1 (10.0)	1 (10.0)	8 (61.5)	8 (80.0)
	PND 0-1	PND 0-1	PND 0-1	PND 0	PND 0-1	PND 0-2
Bruising	0	0	0	0	0	1 (0.8)
Hind Limb	0	0	0	0	0	1 (10.0)
						PND 0-1
Dehydrated	3 (1.9)	1 (0.8)	1 (0.7)	0	2 (1.3)	2 (1.7)
	3 (25.0)	1 (10.0)	1 (10.0)	0	2 (15.4)	2 (20.0)
	PND 1	PND 1	PND 0		PND 0-2	PND 0-1

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F1 Pups

Treatment Groups (mg/kg/day)

	0	0.03	0.1	0.3	1.0	3.0
Discolored Abdomen; White	0	0	0	0	0	1 (0.8) 1 (10.0) PND 0
Discolored Fore Paw; Left, Red	0	0	1 (0.7) 1 (10.0) PND 4	0	0	0
Discolored Tip of Tail; Black	0	0	0	0	0	1 (0.8) 1 (10.0) PND 0-4
Discolored Tip of Tail; Red	0	1 (0.8) 1 (10.0) PND 4	0	0	0	0
Malrotation Hind Limb; Left	0	1 (0.8) 1 (10.0) PND 0	0	0	0	0
Malrotation Hind Limb; Right	0	0	0	0	0	2 (1.7) 1 (10.0) PND 0
Milk Band Absent Abdomen	3 (1.9) 3 (25.0) PND 1-2	0	0	0	0	0

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F1 Pups

Treatment Groups (mg/kg/day)

	0	0.03	0.1	0.3	1.0	3.0
Pale	5 (3.2)	3 (2.3)	2 (1.4)	1 (0.8)	2 (1.3)	4 (3.3)
	5 (41.7)	3 (30.0)	2 (20.0)	1 (10.0)	2 (15.4)	4 (40.0)
	PND 0-3	PND 0-1	PND 0-1	PND 1-2	PND 0-3	PND 0-4
Scab	0	1 (0.8)	2 (1.4)	1 (0.8)	0	0
Fore Limb; Bilateral	0	1 (10.0)	2 (20.0)	1 (10.0)	0	0
		PND 4	PND 4	PND 4		
Scab	0	1 (0.8)	3 (2.2)	1 (0.8)	1 (0.6)	2 (1.7)
Fore Limb; Left	0	1 (10.0)	2 (20.0)	1 (10.0)	1 (7.7)	1 (10.0)
		PND 0	PND 4	PND 4	PND 4	PND 4
Scab	0	2 (1.5)	2 (1.4)	3 (2.3)	2 (1.3)	0
Fore Limb; Right	0	1 (10.0)	1 (10.0)	2 (20.0)	1 (7.7)	0
		PND 4	PND 4	PND 4	PND 4	
Scab	0	0	0	0	2 (1.3)	1 (0.8)
Head	0	0	0	0	2 (15.4)	1 (10.0)
					PND 0-1	PND 0
Scab	0	0	0	2 (1.5)	0	0
Hind Limb; Left	0	0	0	2 (20.0)	0	0
				PND 4		
Scab	0	0	0	2 (1.5)	4 (2.5)	0
Hind Limb; Right	0	0	0	1 (10.0)	2 (15.4)	0
				PND 4	PND 0-4	

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F1 Pups

Treatment Groups (mg/kg/day)

	0	0.03	0.1	0.3	1.0	3.0
Tail Threadlike	0	0	0	1 (0.8)	0	0
	0	0	0	1 (10.0) PND 0-1	0	0
<b>Pup Clinical Observations PND 5-28</b>						
Bruising	0	2 (2.5)	0	0	0	1 (1.3)
Abdomen	0	1 (10.0) PND 7-9	0	0	0	1 (10.0) PND 6
Coat Soiled	0	0	0	0	0	3 (3.9)
Anus; Bilateral	0	0	0	0	0	2 (20.0) PND 17-20
Coat Soiled	0	0	0	0	0	1 (1.3)
Anus	0	0	0	0	0	1 (10.0) PND 20-21
Dehydrated	0	0	0	0	1 (1.3)	2 (2.6)
	0	0	0	0	1 (10.0) PND 10	1 (10.0) PND 19
Discharge	0	0	0	0	0	1 (1.3)
Anus; Red	0	0	0	0	0	1 (10.0) PND 19

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F1 Pups

Treatment Groups (mg/kg/day)

	0	0.03	0.1	0.3	1.0	3.0
Discharge	0	0	0	0	0	1 (1.3)
Eye; Red	0	0	0	0	0	1 (10.0) PND 23-28
Discolored	0	0	1 (1.2)	0	0	0
Fore Paw; Left, Red	0	0	1 (10.0) PND 5	0	0	0
Discolored	0	0	1 (1.2)	0	0	2 (2.6)
Tip of Tail; Black	0	0	1 (10.0) PND 7-10	0	0	2 (20.0) PND 5-18
Distended	0	0	0	0	0	3 (3.9)
Abdomen	0	0	0	0	0	3 (30.0) PND 14-17
Feces	0	0	0	0	0	2 (2.6)
Soft	0	0	0	0	0	2 (20.0) PND 20-25
Gait Abnormal	0	0	0	0	0	2 (2.6)
	0	0	0	0	0	1 (10.0) PND 17-28
Kinked	1 (1.4)	0	0	0	0	0
Tail	1 (11.1) PND 13-28	0	0	0	0	0

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F1 Pups

Treatment Groups (mg/kg/day)

	0	0.03	0.1	0.3	1.0	3.0
Missing	0	0	0	0	0	1 (1.3)
Tip of Tail	0	0	0	0	0	1 (10.0) PND 19-28
Pale	0	0	0	0	1 (1.3)	0
	0	0	0	0	1 (10.0) PND 5	0
Ringtail	0	0	0	0	0	1 (1.3)
Tail	0	0	0	0	0	1 (10.0) PND 8-16
Scab	0	2 (2.5)	0	0	0	0
Abdomen; Left	0	2 (20.0) PND 6-15	0	0	0	0
Scab	0	0	1 (1.2)	0	0	0
Abdomen; Right	0	0	1 (10.0) PND 12-22	0	0	0
Scab	0	4 (5.0)	0	0	1 (1.3)	1 (1.3)
Abdomen	0	1 (10.0) PND 7-9	0	0	1 (10.0) PND 7-9	1 (10.0) PND 6
Scab	0	1 (1.2)	0	0	0	0
Dorsum; Bilateral	0	1 (10.0) PND 8-9	0	0	0	0

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F1 Pups

Treatment Groups (mg/kg/day)

	0	0.03	0.1	0.3	1.0	3.0
Scab	0	2 (2.5)	0	0	0	0
Dorsum; Left	0	2 (20.0) PND 7	0	0	0	0
Scab	0	1 (1.2)	0	0	0	0
Dorsum	0	1 (10.0) PND 8-9	0	0	0	0
Scab	0	0	2 (2.5)	1 (1.3)	0	0
Fore Limb; Bilateral	0	0	2 (20.0) PND 5-6	1 (10.0) PND 5	0	0
Scab	0	0	1 (1.2)	0	1 (1.3)	1 (1.3)
Fore Limb; Left	0	0	1 (10.0) PND 5	0	1 (10.0) PND 5	1 (10.0) PND 5
Scab	0	2 (2.5)	1 (1.2)	2 (2.6)	1 (1.3)	0
Fore Limb; Right	0	1 (10.0) PND 5-6	1 (10.0) PND 5-6	1 (10.0) PND 5	1 (10.0) PND 5	0
Scab	0	2 (2.5)	0	2 (2.6)	0	0
Head; Left	0	1 (10.0) PND 7-9	0	2 (20.0) PND 7-15	0	0
Scab	0	2 (2.5)	1 (1.2)	0	0	0
Head; Right	0	1 (10.0) PND 7-9	1 (10.0) PND 7-14	0	0	0



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F1 Pups

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	0	0.03	0.1	0.3	1.0	3.0
Scab	0	0	0	2 (2.6)	0	0
Hind Limb; Left	0	0	0	2 (20.0) PND 5	0	0
Scab	0	0	0	2 (2.6)	1 (1.3)	0
Hind Limb; Right	0	0	0	1 (10.0) PND 5	1 (10.0) PND 5	0
Scab	0	2 (2.5)	0	0	0	0
Neck; Left	0	1 (10.0) PND 8-9	0	0	0	0
Scab	0	1 (1.2)	0	0	0	0
Neck; Right	0	1 (10.0) PND 7-9	0	0	0	0
Scab	0	0	0	0	0	1 (1.3)
Tail; Bilateral	0	0	0	0	0	1 (10.0) PND 8
Wound	0	0	1 (1.2)	0	0	0
Abdomen; Right	0	0	1 (10.0) PND 7-11	0	0	0
Wound	0	0	0	0	1 (1.3)	0
Anus	0	0	0	0	1 (10.0) PND 8	0

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## LEGEND

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Animals exhibiting clinical observations "within normal limits" were recorded as scheduled but are omitted from the table for clarity.

Upper row denotes the pup incidence N (%)

Middle row denotes the litter incidence N (%)

Lower row denotes the range of postnatal days the finding was seen for the group

F1 litter incidence based on the number of F0 dams; F2 litter incidence based on number of F1 dams.

No. live litters includes litters with  $\geq 1$  live pup

Percent incidence calculated using number of live pups or litters on PND 0 (pre cull) or PND 4 (post cull)

PND - Postnatal Day, pups pre-weaning

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