

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

**R03: Summary of Litter Data**  
**Test Compound:** Deoxynivalenol  
**CAS Number:** 51481-10-8

**Date Report Requested:** 10/05/2020  
**Time Report Requested:** 07:55:39  
**Lab:** Southern Research

**Study Number:** MOG03040  
**Study Gender:** Both  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.0.5

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F1 Pups from F0 Females

	Treatment Groups (mg/kg/day)					
	0	0.03	0.1	0.3	1	3
No. F0 Dams						
PND 0	12	10	10	10	13	10
Total No. Pups						
PND 0	157	131	139	133	157	121
Total Pups per Litter						
PND 0	13.1 ± 0.5 (12)	13.1 ± 0.4 (10)	13.9 ± 0.4 (10)	13.3 ± 1.2 (10)	12.1 ± 1.0 (13)	12.1 ± 0.6 (10)
Total No. Live						
PND 0	156	126	137	131	155	112
Live per Litter						
PND 0	13.0 ± 0.5 (12)	12.6 ± 0.6 (10)	13.7 ± 0.4 (10)	13.1 ± 1.2 (10)	11.9 ± 1.0 (13)	11.2 ± 0.7 (10)
PND 1	12.7 ± 0.5 (12)	12.5 ± 0.6 (10)	13.4 ± 0.4 (10)	13.0 ± 1.2 (10)	11.9 ± 1.0 (13)	10.6 ± 0.9 (10)
PND 4	12.7 ± 0.5 (12)	12.5 ± 0.6 (10)	13.2 ± 0.5 (10)	13.0 ± 1.2 (10)	11.9 ± 1.0 (13)	10.5 ± 0.9 (10)
PND 4 post-cull	9.4 ± 0.8 (12)	8.0 ± 0.0 (10)	8.0 ± 0.0 (10)	7.7 ± 0.3 (10)	9.0 ± 0.9 (13)	7.6 ± 0.4 (10)
PND 7	8.0 ± 0.0 (9)	8.0 ± 0.0 (10)	8.0 ± 0.0 (10)	7.7 ± 0.3 (10)	7.5 ± 0.4 (10)	7.6 ± 0.4 (10)
PND 11	8.0 ± 0.0 (9)	8.0 ± 0.0 (10)	8.0 ± 0.0 (10)	7.7 ± 0.3 (10)	7.5 ± 0.4 (10)	7.6 ± 0.4 (10)
PND 12	8.0 ± 0.0 (9)	8.0 ± 0.0 (10)	8.0 ± 0.0 (10)	7.7 ± 0.3 (10)	7.5 ± 0.4 (10)	7.6 ± 0.4 (10)
PND 14	8.0 ± 0.0 (9)	8.0 ± 0.0 (10)	8.0 ± 0.0 (10)	7.7 ± 0.3 (10)	7.5 ± 0.4 (10)	7.6 ± 0.4 (10)
PND 21	8.0 ± 0.0 (9)	8.0 ± 0.0 (10)	8.0 ± 0.0 (10)	7.7 ± 0.3 (10)	7.5 ± 0.4 (10)	7.6 ± 0.4 (10)
PND 28	8.0 ± 0.0 (9)	8.0 ± 0.0 (10)	8.0 ± 0.0 (10)	7.7 ± 0.3 (10)	7.4 ± 0.4 (9)	7.6 ± 0.4 (10)
Dead per Litter						
PND 0	0.08 ± 0.08 (12)	0.50 ± 0.40 (10)	0.20 ± 0.20 (10)	0.20 ± 0.20 (10)	0.15 ± 0.10 (13)	0.90 ± 0.41 (10)
PND 1 - 4	0.33 ± 0.14 (12)	0.10 ± 0.10 (10)	0.50 ± 0.22 (10)	0.10 ± 0.10 (10)	0.00 ± 0.00 (13)	0.70 ± 0.47 (10)
PND 5 - 11	0.00 ± 0.00 (9)	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)
PND 12 - 28	0.00 ± 0.00 (9)	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)	0.00 ± 0.00 (9)	0.00 ± 0.00 (10)
PND 5 - 28	0.00 ± 0.00 (9)	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)	0.00 ± 0.00 (9)	0.00 ± 0.00 (10)
Number of Dead						
PND 0	1 (1)	5 (2)	2 (1)	2 (1)	2 (2)	9 (5)

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F1 Pups from F0 Females

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Treatment Groups (mg/kg/day)

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	0	0.03	0.1	0.3	1	3
PND 1 - 4	4 (4)	1 (1)	5 (4)	1 (1)	0 (0)	7 (2)
PND 5 - 11	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
PND 12 - 28	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
PND 5 - 28	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
% Live Male Pups per Litter						
PND 0	47.60 ± 4.83 (12)	44.80 ± 5.59 (10)	45.91 ± 4.03 (10)	56.33 ± 5.42 (10)	42.92 ± 5.60 (13)	44.59 ± 6.54 (10)
Survival Ratio						
PND 0	0.99 ± 0.01 (12)	0.96 ± 0.03 (10)	0.99 ± 0.01 (10)	0.99 ± 0.01 (10)	0.99 ± 0.01 (13)	0.93 ± 0.03 (10) *
PND 1 - 4	0.97 ± 0.01 (12)	0.99 ± 0.01 (10)	0.96 ± 0.02 (10)	0.99 ± 0.01 (10)	1.00 ± 0.00 (13)	0.93 ± 0.05 (10)
PND 5 - 11	1.00 ± 0.00 (9)	1.00 ± 0.00 (10)	1.00 ± 0.00 (10)	1.00 ± 0.00 (10)	1.00 ± 0.00 (10)	1.00 ± 0.00 (10)
PND 12 - 28	1.00 ± 0.00 (9)	1.00 ± 0.00 (10)	1.00 ± 0.00 (10)	1.00 ± 0.00 (10)	1.00 ± 0.00 (9)	1.00 ± 0.00 (10)
PND 5 - 28	1.00 ± 0.00 (9)	1.00 ± 0.00 (10)	1.00 ± 0.00 (10)	1.00 ± 0.00 (10)	1.00 ± 0.00 (9)	1.00 ± 0.00 (10)

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## LEGEND

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Total No. of Pups and Total Pups per Litter is inclusive of nonviable pups.

Data are displayed as the means and standard errors of the litter means, N is number of litters

F1 Total Pups per Litter, Live per Litter, Dead per Litter, % Live Male Pups per Litter, and Survival Ratio endpoints were analyzed using Jonckheere's test for trend and Shirley's or Dunn's methods for pairwise comparison of controls to dose groups.

For Number of Dead, N is displayed as the number of pups (number of litters contributing dead pups).

No trend or pairwise tests were conducted on the Total Number of Pups, Total Number of Live, or Number of Dead endpoints.

All calculations are based on the last litter observation of the day

Survival ratio on PND 0 is live pup count at the last PND 0 litter observation relative to the total number of pups upon completion of parturition.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

Three dams were removed for biological sampling on GD18 from each of the control and 1 mg/kg groups, another three dams, and litters were removed from these groups on LD4.

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