

Study Number: MOG03040

Test Type: MOG - Range Finding

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

I04G: Mean Body Weight Gain

Test Compound: Deoxynivalenol

CAS Number: 51481-10-8

Date Report Requested: 06/11/2020

Time Report Requested: 07:00:48

Lab: Southern Research

Study Number:

MOG03040

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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F0 Females

Treatment Groups (mg/kg/day)

Phase	Days	0		0.03		0.1		0.3		1		3	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
Gestation	3 - 6	10.8 ± 1.0	16	12.0 ± 1.4	10	11.2 ± 1.0	10	11.5 ± 1.4	10	10.8 ± 1.1	16	10.4 ± 1.1	10
	6 - 9	11.9 ± 1.5	15	11.9 ± 1.3	10	10.8 ± 0.6	10	12.6 ± 1.9	10	11.9 ± 1.2	16	13.2 ± 2.3	10
	9 - 12	17.8 ± 0.8	15	17.7 ± 1.2	10	17.6 ± 1.0	10	19.1 ± 1.3	10	16.9 ± 0.8	16	16.7 ± 1.4	10
	12 - 15	19.0 ± 0.9	15	19.0 ± 1.1	10	18.5 ± 1.1	10	20.9 ± 1.5	10	20.4 ± 0.9	16	19.3 ± 1.3	10
	15 - 18	40.7 ± 1.4	15	40.9 ± 1.9	10	41.0 ± 1.5	10	41.0 ± 3.6	10	37.2 ± 2.2	16	40.2 ± 1.8	10
	18 - 21	45.4 ± 1.4	11	43.4 ± 2.1	9	46.2 ± 1.1	9	45.7 ± 3.9	10	48.4 ± 4.9	13	45.6 ± 2.8	10
	6 - 21	136.2 ± 2.8	11	132.0 ± 3.8	9	134.7 ± 2.5	9	139.2 ± 10.2	10	134.5 ± 6.7	13	135.0 ± 5.0	10
Lactation	1 - 4	14.7 ± 2.6 *	12	16.5 ± 2.4	10	14.1 ± 2.5	10	9.1 ± 2.7	10	9.8 ± 1.6	13	7.9 ± 2.4	10
	4 - 7	4.1 ± 4.6	9	6.6 ± 1.7	10	8.3 ± 3.2	10	4.9 ± 3.8	10	8.4 ± 1.7	10	5.6 ± 4.7	10
	7 - 12	17.0 ± 4.9	9	14.8 ± 4.4	10	17.9 ± 3.4	10	20.0 ± 3.4	10	10.8 ± 3.9	10	20.0 ± 5.5	10
	12 - 14	-4.0 ± 3.8 *	9	-3.1 ± 5.1	10	-0.6 ± 1.8	10	-2.1 ± 1.6	10	-0.2 ± 3.3	10	2.2 ± 2.3	10
	14 - 18	-3.5 ± 3.3 *	9	-0.5 ± 4.6	10	-5.1 ± 2.4	10	-4.7 ± 2.1	10	-5.7 ± 2.5	10	-9.3 ± 3.1	10
	18 - 21	-6.6 ± 3.7	9	-6.8 ± 3.6	10	-11.5 ± 3.8	10	-12.0 ± 2.5	10	-8.4 ± 3.3	10	-8.2 ± 3.6	10
	21 - 24	-8.0 ± 3.3	9	-9.4 ± 2.2	10	-7.8 ± 3.5	10	-7.8 ± 3.6	10	-7.7 ± 3.9	9	-6.0 ± 2.7	10
	24 - 28	-5.9 ± 3.2	9	-4.2 ± 2.7	10	-9.3 ± 3.2	10	-1.3 ± 2.7	10	-6.3 ± 0.9	9	-0.8 ± 1.1	10
1 - 28	8.8 ± 2.5	9	13.8 ± 2.8	10	6.0 ± 2.8	10	6.1 ± 3.7	10	2.8 ± 4.4	9	11.4 ± 3.8	10	

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LEGEND

Data are displayed as mean \pm SEM

GD - Gestation Day; LD - Lactation Day

Statistical analysis of weight data performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

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 ****