Experiment Number: **A47616**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Dosed-Feed**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Anthraquinone**
CAS Number: **84-65-1**

Date Report Requested: **09/20/2018**
Time Report Requested: **15:42:53**

NTP Study Number:	A47616
Study Duration:	92 Days
Study Methodology:	Slide Scoring
Male Study Result:	Positive
Female Study Result:	Positive

Experiment Number: **A47616**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Dosed-Feed**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Anthraquinone**

CAS Number: **84-65-1**

Date Report Requested: **09/20/2018**

Time Report Requested: **15:42:53**

Tissue: Blood; Sex: Male; Number of Treatments: 92; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	5	1.50 ± 0.32	
1875.0	5	1.20 ± 0.25	0.7183
3750.0	5	1.00 ± 0.16	0.8415
7500.0	5	2.00 ± 0.45	0.1988
15000.0	5	2.00 ± 0.27	0.1988
30000.0	5	3.10 ± 0.37	0.0091
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: **A47616**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Dosed-Feed**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Anthraquinone**
CAS Number: **84-65-1**

Date Report Requested: **09/20/2018**
Time Report Requested: **15:42:53**

Tissue: Blood; Sex: Female; Number of Treatments: 92; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	5	0.60 ± 0.29	
1875.0	5	1.30 ± 0.20	0.0541
3750.0	5	1.70 ± 0.20	0.0109
7500.0	5	1.40 ± 0.24	0.0367
15000.0	5	1.60 ± 0.29	0.0165
30000.0	5	2.30 ± 0.30	< 0.001 *
Trend p-Value		0.0040 *	

Trial Summary: Positive

LEGEND

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte
CAS Number = Chemical Abstracts Service registry number
N = Number of subjects
Values given as Mean or Mean ± Standard Error Mean
Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean
Pairwise comparison to the concurrent control, dosed groups significant at p = 0.025/number of treatment groups; positive control value is significant at p = 0.05
Cochran-Armitage trend test, significant at p = 0.025
* Statistically significant pairwise or trend test
1: Vehicle Control: Feed

** END OF REPORT **