Experiment Number: **224367**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Dimethyl hydrogen phosphite**
CAS Number: **868-85-9**

Date Report Requested: **09/19/2018**
Time Report Requested: **14:14:57**

NTP Study Number:	224367
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Positive

Experiment Number: **224367**
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Route: **Intraperitoneal Injection**
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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	2.10 ± 0.64		29.50 ± 3.75
250.0	5	1.10 ± 0.37	0.9616	42.80 ± 1.88
500.0	5	6.10 ± 0.94	< 0.001 *	30.60 ± 2.77
Trend p-Value		< 0.001 *		
Positive Control[2]	5	5.80 ± 0.78	< 0.001 *	37.80 ± 2.63

Trial Summary: Positive

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Test Type: **Genetic Toxicology - Micronucleus**
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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	2.70 ± 0.56		50.30 ± 5.05
250.0	5	2.20 ± 0.25	0.7627	41.70 ± 4.31
500.0	3	4.17 ± 0.44	0.0573	19.67 ± 2.24
Trend p-Value		0.0780		
Positive Control[2]	5	4.60 ± 0.37	0.0129 *	58.90 ± 3.33

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: Phosphate Buffered Saline
2: 0.2 mg/kg Mitomycin-C

** END OF REPORT **