Experiment Number: **A65367**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/P16(INK4A)/(+/-) (C57BL/6)**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Benzene**
CAS Number: **71-43-2**

Date Report Requested: **09/20/2018**
Time Report Requested: **23:40:43**

NTP Study Number:	A65367
Study Duration:	6 Weeks
Study Methodology:	Slide Scoring
Male Study Result:	Positive
Female Study Result:	Weakly Positive

Experiment Number: **A65367**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/P16(INK4A)/(+/-) (C57BL/6)**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Benzene**

CAS Number: **71-43-2**

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

Time Report Requested: **23:40:43**

Tissue: Blood; Sex: Male; Number of Treatments: 32; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	15	0.73 ± 0.18	
25.0	15	1.87 ± 0.29	< 0.001 *
50.0	15	4.87 ± 0.36	< 0.001 *
100.0	15	7.23 ± 0.49	< 0.001 *
200.0	14	7.64 ± 0.36	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: **A65367**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/P16(INK4A)/(+/-) (C57BL/6)**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Benzene**

CAS Number: **71-43-2**

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

Time Report Requested: **23:40:43**

Tissue: Blood; Sex: Female; Number of Treatments: 32; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	15	1.43 ± 0.22	
25.0	15	1.21 ± 0.26	0.7754
50.0	15	1.43 ± 0.24	0.5000
100.0	15	1.87 ± 0.19	0.0955
200.0	15	2.30 ± 0.34	0.0070
Trend p-Value		< 0.001 *	

Trial Summary: Weakly 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: Corn Oil

** END OF REPORT **