Experiment Number: **A49990**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Sulfapyridine**
CAS Number: **144-83-2**

Date Report Requested: **09/20/2018**
Time Report Requested: **17:10:32**

NTP Study Number:	A49990
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Positive
Female Study Result:	Positive

Experiment Number: **A49990**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Sulfapyridine**
CAS Number: **144-83-2**

Date Report Requested: **09/20/2018**
Time Report Requested: **17:10:32**

Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000			MN NCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	1.50 ± 0.22		2	0.00 ± 0.00		44.55 ± 1.25
500.0	5	5.20 ± 0.60	< 0.001 *	4	0.00 ± 0.00	0.5000	48.03 ± 1.02
1000.0	5	4.90 ± 0.60	< 0.001 *	1	0.00 ± 0.00	< 0.001 *	45.10 ± 0.00
2000.0	5	5.10 ± 1.00	< 0.001 *	3	0.00 ± 0.00	0.5000	47.53 ± 0.89
Trend p-Value		0.0010 *					
Positive Control[2]	5	9.80 ± 1.04	< 0.001 *	5	0.00 ± 0.00	0.5000	49.02 ± 1.59

Trial Summary: Positive

Experiment Number: **A49990**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Sulfapyridine**
CAS Number: **144-83-2**

Date Report Requested: **09/20/2018**
Time Report Requested: **17:10:32**

Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

	MN PCE/1000			MN NCE/1000			% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	1.20 ± 0.49		5	0.00 ± 0.00		25.40 ± 1.13
500.0	5	2.00 ± 0.42	0.0785	5	0.00 ± 0.00	0.5000	21.78 ± 2.72
1000.0	5	2.90 ± 0.53	0.0039 *	5	0.00 ± 0.00	0.5000	18.14 ± 1.48
2000.0	5	3.60 ± 0.62	< 0.001 *	5	0.00 ± 0.00	0.5000	22.88 ± 0.89
Trend p-Value		< 0.001 *					
Positive Control[3]	5	8.50 ± 1.54	< 0.001 *	5	0.00 ± 0.00	0.5000	13.64 ± 2.22

Trial Summary: Positive

Experiment Number: **A49990**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Sulfapyridine**
CAS Number: **144-83-2**

Date Report Requested: **09/20/2018**
Time Report Requested: **17:10:32**

Tissue: Bone marrow; Sex: Female; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000			MN NCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	0.40 ± 0.29		3	0.00 ± 0.00		47.83 ± 0.98
500.0	5	3.80 ± 0.60	< 0.001 *	1	0.00 ± 0.00	< 0.001 *	49.70 ± 0.00
1000.0	5	7.00 ± 0.57	< 0.001 *				54.68 ± 0.96
2000.0	5	10.20 ± 1.06	< 0.001 *				55.62 ± 0.92
Trend p-Value		< 0.001 *					
Positive Control[3]	5	3.80 ± 0.77	< 0.001 *	5	0.00 ± 0.00	0.5000	44.08 ± 3.67

Trial Summary: Positive

Experiment Number: **A49990**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Sulfapyridine**
CAS Number: **144-83-2**

Date Report Requested: **09/20/2018**
Time Report Requested: **17:10:32**

Tissue: Bone marrow; Sex: Female; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

	MN PCE/1000			MN NCE/1000			% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	1.00 ± 0.27		2	0.00 ± 0.00		49.05 ± 0.55
500.0	5	2.50 ± 0.47	0.0344				54.30 ± 1.38
1000.0	5	5.70 ± 1.34	< 0.001 *				54.96 ± 1.15
2000.0	5	7.70 ± 1.50	< 0.001 *				53.90 ± 1.13
Trend p-Value		< 0.001 *					
Positive Control[3]	5	1.50 ± 0.59	0.1585	5	0.00 ± 0.00	0.5000	49.92 ± 0.31

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: Corn Oil
2: 25.0 mg/kg Dimethylbenzanthracene
3: 12.5 mg/kg Dimethylbenzanthracene

** END OF REPORT **