Experiment Number: **G94043B**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Drinking water**
Species/Strain: **Rat/Sprague-Dawley**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Sodium Metavanadate**
CAS Number: **13718-26-8**

Date Report Requested: **04/20/2022**
Time Report Requested: **11:28:14**

NTP Study Number:	G94043B
Study Duration:	3 month
Study Methodology:	Flow cytometry
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **G94043B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Drinking water**

Species/Strain: **Rat/Sprague-Dawley**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Sodium Metavanadate**

CAS Number: **13718-26-8**

Date Report Requested: **04/20/2022**

Time Report Requested: **11:28:14**

Tissue: Blood; Sex: Male

		MN PCE/1000			MN NCE/1000		% PCE	
Concentration (mg/L)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	5	0.468 ± 0.049		5	0.082 ± 0.019		0.934 ± 0.210	
31.3	5	0.440 ± 0.068	1.0000	5	0.074 ± 0.027	1.0000	1.218 ± 0.046	1.0000
62.5	5	0.550 ± 0.065	1.0000	5	0.115 ± 0.018	1.0000	1.269 ± 0.080	0.9191
125	5	0.539 ± 0.103	1.0000	5	0.132 ± 0.018	0.7439	1.274 ± 0.053	0.6569
250	5	0.490 ± 0.090	1.0000	5	0.198 ± 0.036	0.1015	1.385 ± 0.127	0.0978
500	5	0.750 ± 0.092	0.0751	5	0.292 ± 0.037	0.0044 *	1.636 ± 0.082	0.0016 *
Trend p-Value		0.0204 *			< 0.001 *		< 0.001 *	

Trial Summary: Negative

Experiment Number: **G94043B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Drinking water**

Species/Strain: **Rat/Sprague-Dawley**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Sodium Metavanadate**

CAS Number: **13718-26-8**

Date Report Requested: **04/20/2022**

Time Report Requested: **11:28:14**

Tissue: Blood; Sex: Female

		MN PCE/1000			MN NCE/1000		% PCE	
Concentration (mg/L)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	5	0.620 ± 0.070		5	0.085 ± 0.010		1.132 ± 0.095	
31.3	5	0.650 ± 0.097	1.0000	5	0.074 ± 0.008	1.0000	1.193 ± 0.147	1.0000
62.5	5	0.660 ± 0.135	1.0000	5	0.116 ± 0.026	1.0000	1.196 ± 0.080	1.0000
125	5	0.620 ± 0.049	1.0000	5	0.151 ± 0.038	0.4031	1.201 ± 0.097	1.0000
250	5	0.490 ± 0.110	1.0000	5	0.106 ± 0.024	1.0000	1.319 ± 0.149	0.7538
500	5	0.710 ± 0.139	1.0000	5	0.206 ± 0.029	0.0269	1.336 ± 0.099	0.4233
Trend p-Value		0.6294			0.0031 *		0.0671	

Trial Summary: Negative

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
Pairwise comparison with the vehicle control; values are significant at P <= 0.025 by Dunn's test
Concentration-related trend; significant at P <= 0.025 by Jonckheere's test
* Statistically significant pairwise or trend test
1: Vehicle Control: water

** END OF REPORT **