Experiment Number: **G08004B**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Drinking water**
Species/Strain: **Rat/Sprague-Dawley**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Vanadyl Sulfate**
CAS Number: **27774-13-6**

Date Report Requested: **04/20/2022**
Time Report Requested: **11:22:09**

NTP Study Number:	G08004B
Study Duration:	3 month
Study Methodology:	Flow cytometry
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **G08004B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Drinking water**

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

G04: In Vivo Micronucleus Summary Data

Test Compound: **Vanadyl Sulfate**

CAS Number: **27774-13-6**

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

Time Report Requested: **11:22:09**

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	0.904 ± 0.179		5	0.345 ± 0.101		1.204 ± 0.142	
21.0	5	1.071 ± 0.202	1.0000	5	0.332 ± 0.126	1.0000	1.085 ± 0.046	1.0000
41.9	5	0.810 ± 0.168	1.0000	5	0.415 ± 0.099	1.0000	1.129 ± 0.066	1.0000
83.8	5	0.870 ± 0.155	1.0000	5	0.243 ± 0.083	1.0000	1.219 ± 0.021	1.0000
168	5	0.830 ± 0.151	1.0000	5	0.332 ± 0.065	1.0000	1.252 ± 0.088	1.0000
335	5	0.760 ± 0.051	1.0000	5	0.278 ± 0.041	1.0000	1.368 ± 0.026	0.4568
Trend p-Value		0.7827			0.5932		0.0069 *	

Trial Summary: Negative

Experiment Number: **G08004B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Drinking water**

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

G04: In Vivo Micronucleus Summary Data

Test Compound: **Vanadyl Sulfate**

CAS Number: **27774-13-6**

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

Time Report Requested: **11:22:09**

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	0.640 ± 0.051		5	0.222 ± 0.045		0.948 ± 0.129	
21.0	5	0.946 ± 0.096	0.1049	5	0.181 ± 0.038	1.0000	0.920 ± 0.053	1.0000
41.9	5	0.680 ± 0.106	1.0000	5	0.211 ± 0.057	1.0000	1.218 ± 0.060	0.1861
83.8	5	0.930 ± 0.041	0.0880	5	0.319 ± 0.075	1.0000	1.001 ± 0.076	1.0000
168	5	0.920 ± 0.142	0.2182	5	0.315 ± 0.102	1.0000	1.041 ± 0.039	1.0000
335	5	0.620 ± 0.150	1.0000	5	0.196 ± 0.039	1.0000	1.143 ± 0.039	0.7041
Trend p-Value		0.3786			0.3517		0.0850	

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 **