Experiment Number: **G08004C**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Drinking water**
Species/Strain: **Mouse/B6C3F1**

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

Date Report Requested: **04/20/2022**
Time Report Requested: **11:26:25**

NTP Study Number:	G08004C
Study Duration:	3 month
Study Methodology:	Flow cytometry
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **G08004C**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Drinking water**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Vanadyl Sulfate**

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

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

Time Report Requested: **11:26:25**

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	3.120 ± 0.141		5	1.595 ± 0.037		1.503 ± 0.048	
21.0	5	2.850 ± 0.329	1.0000	5	1.671 ± 0.062	0.8758	1.675 ± 0.081	0.9798
41.9	5	2.360 ± 0.193	1.0000	5	1.576 ± 0.062	1.0000	1.537 ± 0.031	1.0000
83.8	5	2.620 ± 0.252	1.0000	5	1.487 ± 0.118	1.0000	1.767 ± 0.069	0.2030
168	5	2.380 ± 0.119	1.0000	5	1.580 ± 0.033	1.0000	1.775 ± 0.087	0.2030
335	5	2.440 ± 0.083	1.0000	5	1.660 ± 0.054	1.0000	2.024 ± 0.049	0.0016 *
Trend p-Value		0.9948			0.4495		< 0.001 *	

Trial Summary: Negative

Experiment Number: **G08004C**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Drinking water**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Vanadyl Sulfate**

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

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

Time Report Requested: **11:26:25**

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	2.710 ± 0.277		5	1.265 ± 0.054		1.296 ± 0.135	
21.0	5	1.830 ± 0.062	1.0000	5	1.057 ± 0.041	1.0000	1.821 ± 0.147	0.3348
41.9	5	2.420 ± 0.292	1.0000	5	1.201 ± 0.092	1.0000	1.537 ± 0.180	1.0000
83.8	5	1.970 ± 0.176	1.0000	5	1.137 ± 0.049	1.0000	1.741 ± 0.199	0.4568
168	5	2.020 ± 0.175	1.0000	5	1.187 ± 0.034	1.0000	1.902 ± 0.120	0.1182
335	5	2.400 ± 0.373	1.0000	5	1.310 ± 0.082	1.0000	2.267 ± 0.327	0.0181 *
Trend p-Value		0.6553			0.1871		0.0031 *	

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 **