Experiment Number: **F37530**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Rat/Fischer 344**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Aspartame**
CAS Number: **22839-47-0**

Date Report Requested: **09/21/2018**
Time Report Requested: **16:17:27**

NTP Study Number:	F37530
Study Duration:	3 Days
Study Methodology:	Flow Cytometry
Male Study Result:	Negative

Experiment Number: **F37530**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Rat/Fischer 344**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Aspartame**

CAS Number: **22839-47-0**

Date Report Requested: **09/21/2018**

Time Report Requested: **16:17:27**

Tissue: Blood; 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**	**p-Value**
Vehicle Control[1]	5	0.520 ± 0.103		5	0.060 ± 0.009		1.563 ± 0.040	
500.0	5	0.290 ± 0.053	1.0000	5	0.046 ± 0.016	0.8474	1.871 ± 0.083	0.2164
1000.0	4	0.288 ± 0.090	1.0000	4	0.043 ± 0.010	0.9102	2.018 ± 0.132	0.0705
2000.0	5	0.570 ± 0.204	1.0000	5	0.029 ± 0.003	0.9297	1.894 ± 0.408	0.0402
Trend p-Value		0.6954			0.9791		0.0041 *	
Positive Control[2]	5			5	0.026 ± 0.004	0.9393	0.051 ± 0.012	< 0.001 *

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 control group; values are significant at P <= 0.025 by Williams or Dunn's test
Dose-related trend; significant at P <= 0.025 by linear regression or Jonckheere's test
* Statistically significant pairwise or trend test
1: Vehicle Control: Corn Oil
2: 25.0 mg/kg Cyclophosphamide

** END OF REPORT **