Experiment Number: **A81568**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Dosed-Feed**
Species/Strain: **Mouse/P53 +/- (C57BL/6)**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Acesulfame potassium**
CAS Number: **55589-62-3**

Date Report Requested: **09/21/2018**
Time Report Requested: **06:05:20**

NTP Study Number:	A81568
Study Duration:	39 Weeks
Study Methodology:	Slide Scoring
Male Study Result:	Positive
Female Study Result:	Negative

Experiment Number: **A81568**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Dosed-Feed**

Species/Strain: **Mouse/P53 +/- (C57BL/6)**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Acesulfame potassium**

CAS Number: **55589-62-3**

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

Time Report Requested: **06:05:20**

Tissue: Blood; Sex: Male; Number of Treatments: 273; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (other)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	14	1.57 ± 0.22	
0.3	15	2.10 ± 0.24	0.0691
1.0	15	2.57 ± 0.19	0.0043 *
3.0	14	2.79 ± 0.33	0.0010 *
Trend p-Value		0.0030 *	

Trial Summary: Positive

Experiment Number: **A81568**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Dosed-Feed**

Species/Strain: **Mouse/P53 +/- (C57BL/6)**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Acesulfame potassium**

CAS Number: **55589-62-3**

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

Time Report Requested: **06:05:20**

Tissue: Blood; Sex: Female; Number of Treatments: 273; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (other)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	14	1.29 ± 0.16	
0.3	14	1.71 ± 0.17	0.0950
1.0	14	1.75 ± 0.21	0.0791
3.0	14	1.50 ± 0.26	0.2483
Trend p-Value		0.4670	

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
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: Feed

** END OF REPORT **