

Experiment Number: C16008-02

Test Type: TOX

Route: Dosing in Feed

Species/Strain: Mouse/B6C3F1/N

PA50: Bone Marrow Smear Summary

Test Compound: Crumbrubber various

CAS Number: CRUMBRUBBERVARIOUS

Date Report Requested: 03/12/2018

Time Report Requested: 09:37:37

Lab: Battelle

C Number:

C16008-02

Cage Range:

All

Date Range:

All

Reasons For Removal:

All

Removal Date Range:

All

Treatment Groups:

All

Study Gender:

Female

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Female

	Phase Day	Treatment Groups (ppm)	
		0	50000
Bone Marrow Nucleated Cell Count (10 ³ /uL)	SD 14	6.63 ± 0.63 (10)	6.25 ± 0.58 (9)
Percent of Control			94.3
Myeloblast (# cells counted)	SD 14	4.8 ± 0.5 (10)	5.4 ± 0.8 (9)
Percent of Control			113.4
Myelocyte (# cells counted)	SD 14	13.9 ± 1.1 (10)	9.1 ± 0.7 (9) **
Percent of Control			65.5
Promyelocyte (# cells counted)	SD 14	11.2 ± 1.6 (10)	8.1 ± 0.6 (9)
Percent of Control			72.4
Metamyelocyte (# cells counted)	SD 14	30.0 ± 1.3 (10)	24.4 ± 2.2 (9)
Percent of Control			81.5
Band Granulocyte (# cells counted)	SD 14	43.5 ± 2.9 (10)	45.6 ± 4.4 (9)
Percent of Control			104.7
Segmented Granulocyte (# cells counted)	SD 14	133.2 ± 4.9 (10)	142.3 ± 4.8 (9)
Percent of Control			106.9
Rubriblast (# cells counted)	SD 14	3.2 ± 0.6 (10)	4.0 ± 0.5 (9)
Percent of Control			125
Rubricyte (# cells counted)	SD 14	35.2 ± 4.2 (10)	44.0 ± 3.9 (9)
Percent of Control			125
Prorubricyte (# cells counted)	SD 14	12.8 ± 1.0 (10)	14.7 ± 1.6 (9)
Percent of Control			114.6
Metarubricyte (# cells counted)	SD 14	171.3 ± 8.9 (10)	149.8 ± 4.0 (9) **
Percent of Control			87.4

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		Treatment Groups (ppm)	
	Phase Day	0	50000
M:E Ratio	SD 14	1.077 ± 0.055 (10)	1.122 ± 0.063 (9)
Percent of Control			104.2

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted

M:E ratio calculated as the sum of the number of myeloblasts, promyelocytes, myelocytes, metamyelocytes, band granulocytes, and segmented granulocytes divided by the sum of the number of rubriblasts, prorubricytes, rubricytes, and metarubricytes.

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests (unless otherwise noted).

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

Statistical significance for the control group indicates a significant trend test

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

Statistical analysis performed using the Mann-Whitney U test for comparing the two groups.

Decrease in N for Bone Marrow Nucleated Cell Count in the 50000 ppm group is due to one female's value being excluded because it was an outlier.

**** END OF REPORT ****