Experiment Number: **537402**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2',3'-Didehydro-3'-deoxythymidine**
CAS Number: **3056-17-5**

Date Report Requested: **09/19/2018**
Time Report Requested: **18:03:11**

NTP Study Number:	537402
Study Duration:	96 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Positive

Experiment Number: **537402**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **2',3'-Didehydro-3'-deoxythymidine**

CAS Number: **3056-17-5**

Date Report Requested: **09/19/2018**

Time Report Requested: **18:03:11**

Tissue: Blood; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 48 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	2.80 ± 0.51		4.12 ± 0.82
200.0	5	3.70 ± 0.62	0.1318	2.68 ± 0.27
1000.0	5	6.20 ± 0.66	< 0.001 *	2.64 ± 0.41
2000.0	5	12.30 ± 1.93	< 0.001 *	2.64 ± 0.53
Trend p-Value		< 0.001 *		

Trial Summary: Positive

Experiment Number: **537402**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **2',3'-Didehydro-3'-deoxythymidine**

CAS Number: **3056-17-5**

Date Report Requested: **09/19/2018**

Time Report Requested: **18:03:11**

Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	0.90 ± 0.29		57.30 ± 6.13
500.0	5	4.90 ± 0.78	< 0.001 *	65.30 ± 3.43
1000.0	5	7.70 ± 1.57	< 0.001 *	65.70 ± 2.61
2000.0	5	11.50 ± 2.37	< 0.001 *	52.80 ± 3.94
Trend p-Value		< 0.001 *		
Positive Control[2]	5	4.60 ± 1.91	< 0.001 *	60.80 ± 2.84

Trial Summary: Positive

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: Phosphate Buffered Saline
2: 0.2 mg/kg Mitomycin-C

** END OF REPORT **