Experiment Number: **F27464**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Tenofovir**
CAS Number: **147127-20-6**

Date Report Requested: **09/21/2018**
Time Report Requested: **15:44:14**

NTP Study Number:	F27464
Study Duration:	4 Days
Study Methodology:	Flow Cytometry
Male Study Result:	Negative
Female Study Result:	Positive

Experiment Number: **F27464**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Tenofovir**

CAS Number: **147127-20-6**

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

Time Report Requested: **15:44:14**

Tissue: Blood; Sex: Male; Number of Treatments: 4; Time interval between final treatment and cell sampling: 28 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	2.900 ± 0.272		5	1.392 ± 0.037		1.905 ± 0.089	
500.0	5	2.900 ± 0.486	0.5424	5	1.423 ± 0.051	0.4590	1.966 ± 0.177	1.0000
1000.0	5	2.930 ± 0.260	0.6282	5	1.373 ± 0.021	0.5380	1.744 ± 0.070	0.3429
1500.0	5	2.690 ± 0.124	0.6646	5	1.399 ± 0.029	0.5635	1.698 ± 0.071	0.2100
Trend p-Value		0.6716			0.5771		0.0783	
Positive Control[2]	5	13.910 ± 0.576	< 0.001 *	5	1.700 ± 0.030	< 0.001 *	0.882 ± 0.084	< 0.001 *

Trial Summary: Negative

Experiment Number: **F27464**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Tenofovir**

CAS Number: **147127-20-6**

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

Time Report Requested: **15:44:14**

Tissue: Blood; Sex: Female; Number of Treatments: 4; Time interval between final treatment and cell sampling: 28 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	2.240 ± 0.201		5	1.001 ± 0.061		1.961 ± 0.244	
1500.0	5	3.090 ± 0.078	0.0023 *	5	1.054 ± 0.038	0.2391	2.124 ± 0.240	0.6189
Trend p-Value		0.0021 *			0.2381		0.6186	
Positive Control[2]	5	9.540 ± 0.421	0.0044 *	5	1.312 ± 0.035	0.0012 *	1.575 ± 0.113	0.2241

Trial Summary: Positive

Experiment Number: **F27464**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Tenofovir**

CAS Number: **147127-20-6**

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

Time Report Requested: **15:44:14**

Tissue: Blood; Sex: Female; Number of Treatments: 4; Time interval between final treatment and cell sampling: 28 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	2.030 ± 0.280		5	1.076 ± 0.095		1.277 ± 0.109	
1000.0	5	2.670 ± 0.300	0.0389	5	1.075 ± 0.032	0.5053	1.212 ± 0.144	0.6592
1500.0	5	3.260 ± 0.128	0.0041 *	5	1.118 ± 0.025	0.4110	1.049 ± 0.066	0.4846
2000.0	5	2.880 ± 0.214	0.0042 *	5	1.096 ± 0.026	0.4386	1.218 ± 0.136	0.5146
Trend p-Value		0.0037 *			0.3307		0.4469	
Positive Control[2]	5	15.220 ± 0.299	< 0.001 *	5	1.389 ± 0.055	0.0109 *	0.804 ± 0.111	0.0219 *

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
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 **