G04: In Vivo Micronucleus Assay Summary Data (Study Method: Flow Cytometry)

Study Number: G11042
DTTID: 104-016-004-000-6
ORBIT Task ID: 004308
Study Type: Short Term Tox

Test Compound: Triphenyl Phosphate
DTXSID: DTXSID1021952
CAS Number: 115-86-6
Species/Strain: Rat/Sprague-Dawley

Date: 14 May 2026
Time: 1:57:16 PM

Evaluation of micronuclei in peripheral blood from Sprague-Dawley Rats via dosed feed for 3 months

Summary of Results

	Results
Overall Result	Negative
Male Rat Study	Negative
Female Rat Study	Negative

G04: In Vivo Micronucleus Assay Summary Data (Study Method: Flow Cytometry)

Study Number: G11042
DTTID: 104-016-004-000-6
ORBIT Task ID: 004308
Study Type: Short Term Tox

Test Compound: Triphenyl Phosphate
DTXSID: DTXSID1021952
CAS Number: 115-86-6
Species/Strain: Rat/Sprague-Dawley

Date: 14 May 2026
Time: 1:57:16 PM

Evaluation of micronuclei in peripheral blood from Male Sprague-Dawley Rats via dosed feed for 3 months

Triphenyl Phosphate; Male

	MN RET/1000	MN ME/1000	%RET	Summary
Vehicle Control (Feed)				
0 ppm	0.620 ± 0.19[5]	0.192 ± 0.21[5]	0.943 ± 0.22[5]	
Treated				
30 ppm	0.790 ± 0.27[5], p=0.678	0.130 ± 0.04[5], p=1.000	0.828 ± 0.11[5], p=1.000	
100 ppm	0.569 ± 0.14[5], p=1.000	0.089 ± 0.02[5], p=1.000	0.596 ± 0.21[5], p=0.089	
300 ppm	0.470 ± 0.08[5], p=1.000	0.126 ± 0.06[5], p=1.000	0.735 ± 0.15[5], p=0.861	
1000 ppm	0.610 ± 0.19[5], p=1.000	0.105 ± 0.05[5], p=1.000	0.851 ± 0.14[5], p=1.000	
3000 ppm	0.690 ± 0.16[5], p=1.000	0.171 ± 0.11[5], p=0.744	0.773 ± 0.18[5], p=1.000	
Trend Significance				
p-value	0.572	0.287	0.502	
Male Rat Study				
Result				Negative

G04: In Vivo Micronucleus Assay Summary Data (Study Method: Flow Cytometry)

Study Number: G11042
DTTID: 104-016-004-000-6
ORBIT Task ID: 004308
Study Type: Short Term Tox

Test Compound: Triphenyl Phosphate
DTXSID: DTXSID1021952
CAS Number: 115-86-6
Species/Strain: Rat/Sprague-Dawley

Date: 14 May 2026
Time: 1:57:16 PM

Evaluation of micronuclei in peripheral blood from Female Sprague-Dawley Rats via dosed feed for 3 months

Triphenyl Phosphate; Female

	MN RET/1000	MN ME/1000	%RET	Summary
Vehicle Control (Feed)				
0 ppm	0.680 ± 0.12[5]	0.062 ± 0.03[5]	0.610 ± 0.21[5]	
Treated				
30 ppm	0.710 ± 0.26[5], p=1.000	0.066 ± 0.01[5], p=1.000	0.712 ± 0.28[5], p=1.000	
100 ppm	0.830 ± 0.27[5], p=0.484	0.056 ± 0.01[5], p=1.000	0.720 ± 0.09[5], p=1.000	
300 ppm	0.810 ± 0.17[5], p=0.549	0.056 ± 0.05[5], p=1.000	0.594 ± 0.32[5], p=1.000	
1000 ppm	0.870 ± 0.14[5], p=0.261	0.039 ± 0.02[5], p=1.000	0.845 ± 0.36[5], p=1.000	
3000 ppm	0.920 ± 0.50[5], p=0.398	0.109 ± 0.07[5], p=0.590	0.921 ± 0.39[5], p=0.657	
Trend Significance				
p-value	0.031	0.507	0.099	
Female Rat Study				
Result				Negative

G04: In Vivo Micronucleus Assay Summary Data (Study Method: Flow Cytometry)

Study Number: G11042
DTTID: 104-016-004-000-6
ORBIT Task ID: 004308
Study Type: Short Term Tox

Test Compound: Triphenyl Phosphate
DTXSID: DTXSID1021952
CAS Number: 115-86-6
Species/Strain: Rat/Sprague-Dawley

Date: 14 May 2026
Time: 1:57:16 PM

LEGEND

CAS Number = Chemical Abstract Service registry number

MN = micronucleated; RET = reticulocyte; ME = mature erythrocyte (a.k.a normochromatic erythrocyte)

Values given as Mean ± Standard Deviation (SD) [Number of Test Subjects], p-value.

MN-RET/1000 and MN-ME/1000: Pairwise comparison of treated groups vs the vehicle control group; values are significant at $p \leq 0.025$ by one-sided Dunn's test; dose-related trend, significant at $p \leq 0.025$ by one-sided Jonckheere's test.

%RET: Pairwise comparison of treated groups vs the vehicle control group; values are significant at $p \leq 0.025$ by two-sided Dunn's test; dose-related trend, significant at $p \leq 0.025$ by two-sided Jonckheere's test.

*Statistically significant pairwise or trend test

** END OF REPORT **