

Chinese Hamster Ovary mutation assay results

Total

Test Chemical	Conc	Viable fraction	Mutants
			Colonies /10(6) viable cells

Experiment 1 without S9

ERL-4221	0.000625%	0.507	0	0
	0.00125%	0.480	2	4.2
	0.0025%	0.480	0	0
	0.0050%	0.273	1	3.7
	0.0100%	0.163	0	0
DNSO	20 μ l/ml	0.900	1	1.1
H ₂ O	20 μ l/ml	0.677	1	1.5
medium	-	0.850	0	0
EMS	200 μ l/ml	0.600	22	36.7

Experiment 2 without S9

ERL-4221	0.000625%	0.465	3	6.5
	0.00125%	0.430	2	4.7
	0.0025%	0.342	0	0
	0.0050%	0.218	3	13.8
	0.0100%	0.190	0	0
DNSO	20 μ l/ml	0.528	3	5.7
H ₂ O	20 μ l/ml	0.615	2	3.3
EMS	200 μ l/ml	0.450	124	275.6***

Experiment 2 with S9

ERL-4221	0.00125%	0.882	14	15.9
	0.0025%	0.722	3	4.2
	0.0050%	0.782	15	19.2
	0.0100%	0.832	15	18.0
	0.0200%	0.780	2	2.6
DNSO	20 μ l/ml	0.905	18	19.9
H ₂ O	20 μ l/ml	0.965	5	5.2
DMN	3700 μ l/ml	0.495	63	127.3***
DMN	740 μ l/ml	0.658	30	45.6*

Significantly different from solvent control value, * p<0.05 *** p<0.001