

Appendix D *gpt* Mutant frequencies in the lung of *gpt* delta rats treated with Ni₃S₂ by intratracheal administration and liver treated with ENU (positive control)..

Lab. D

Treatment	Smpling time ¹⁾	Animal No.	Organ	Number of packagings	Total Population	Number of mutants	Mutant frequency (x 10 ⁻⁶)	
							Mean ± SD	
0 mg/animal x 4	28 days	1001	lung	9	510,000	2	3.92	
		1002	lung	6	1,074,000	2	1.86	
		1003	lung	6	900,000	3	3.33	
		1004	lung	6	882,000	2	2.27	
		1005	lung	6	1,227,000	2	1.63	2.60 ± 0.98
0.5 mg/animal x 4	28 days	1101	lung	7	1,232,500	2	1.62	
		1102	lung	7	1,375,500	2	1.45	
		1103	lung	6	609,000	2	3.28	
		1104	lung	11	994,500	1	1.01	
		1105	lung	3	1,045,500	2	1.91	1.86 ± 0.86
1 mg/animal x 4	28 days	1201	lung	6	1,162,500	3	2.58	
		1202	lung	8	1,698,000	3	1.77	
		1203	lung	6	1,087,500	2	1.84	
		1204	lung	8	1,366,500	2	1.46	
		1205	lung	8	2,520,000	3	1.19	1.77 ± 0.52
0 mg/animal x 4	90 days	1011	lung	4	1,239,000	3	2.42	
		1012	lung	4	861,000	3	3.48	
		1013	lung	2	811,500	3	3.70	
		1014	lung	2	693,000	2	2.89	
		1015	lung	6	2,014,500	2	0.99	2.70 ± 1.08
0.5 mg/animal x 4	90 days	1111	lung	4	2,257,500	2	0.89	
		1112	lung	2	826,500	2	2.42	
		1113	lung	4	2,478,000	1	0.40	
		1114	lung	4	561,000	1	1.78	
		1115	lung	6	3,804,000	1	0.26	1.15 ± 0.93
1 mg/animal x 4	90 days	1211	lung	4	1,314,000	2	1.52	
		1212	lung	4	2,169,000	2	0.92	
		1213	lung	4	1,408,500	4	2.84	
		1214	lung	2	811,500	2	2.46	
		1215	lung	4	1,306,500	3	2.30	2.01 ± 0.77
ENU 50 mg/kg x 5	31 days	51	liver	3	633,450	67	105.77	
		52	liver	3	792,300	37	46.70	
		53	liver	3	678,900	39	57.45	
		54	liver	3	736,500	83	112.70	
		55	liver	3	998,550	46	46.07	73.74 ± 32.81