

Table 1: Effect of Vehicle Exposure on Non-neoplasm Incidence in Females

		Vehicle Controls	Naïve Controls
Mammary Gland, Duct * Hyperplasia	Simple Incidence	0/16 (0.0%)	2/17 (11.8%)
	Poly-K Incidence	0/16.0 (0.0%)	2/17.0 (11.8%)
	Terminal Incidence	0/16 (0.0%)	2/17 (11.8%)
	Time-to-First	----	21 (T)
	Poly-K P-Value	0.246	0.246
	Severity Profile	---	2 0 0 0
	JT/SW P-Value	0.082	0.082
	RTE P-Value	0.128	0.128
Mammary Gland, Terminal End Bud * Hyperplasia	Simple Incidence	2/16 (12.5%)	3/17 (17.6%)
	Poly-K Incidence	2/16.0 (12.5%)	3/17.0 (17.6%)
	Terminal Incidence	2/16 (12.5%)	3/17 (17.6%)
	Time-to-First	21 (T)	21 (T)
	Poly-K P-Value	0.529	0.529
	Severity Profile	2 0 0 0	3 0 0 0
	JT/SW P-Value	0.342	0.342
	RTE P-Value	0.346	0.346

Table 2: Effect of Vehicle Exposure on Non-neoplasm Incidence in Males

		Vehicle Controls	Naïve Controls
Mammary Gland, Duct * Hyperplasia	Simple Incidence	1/19 (5.3%)	2/20 (10.0%)
	Poly-K Incidence	1/19.0 (5.3%)	2/20.0 (10.0%)
	Terminal Incidence	1/19 (5.3%)	2/20 (10.0%)
	Time-to-First	21 (T)	21 (T)
	Poly-K P-Value	0.518	0.518
	Severity Profile	0 1 0 0	1 1 0 0
	JT/SW P-Value	0.303	0.303
	RTE P-Value	0.306	0.306

Table 3: Effect of Low Level Exposures to BPA on Non-neoplasm Incidence in Females

		Vehicle Controls	BPA 2.5	BPA 8.0	BPA 25
Mammary Gland, Duct * Hyperplasia	Simple Incidence	0/16 (0.0%)	2/19 (10.5%)	1/13 (7.7%)	4/19 (21.1%)
	Poly-K Incidence	0/16.0 (0.0%)	2/19.0 (10.5%)	1/13.0 (7.7%)	4/19.0 (21.1%)
	Terminal Incidence	0/16 (0.0%)	2/19 (10.5%)	1/13 (7.7%)	4/19 (21.1%)
	Time-to-First	----	21 (T)	21 (T)	21 (T)
	Poly-K P-Value	0.036 *	0.273	0.458	0.073
	Severity Profile	---	2 0 0 0	1 0 0 0	4 0 0 0
	JT/SW P-Value	0.035 *	0.094	0.182	0.026 * ¹
	RTE P-Value	0.030 *	0.137	0.261	0.018 *
Mammary Gland, Terminal End Bud * Hyperplasia	Simple Incidence	2/16 (12.5%)	3/19 (15.8%)	1/13 (7.7%)	1/19 (5.3%)
	Poly-K Incidence	2/16.0 (12.5%)	3/19.0 (15.8%)	1/13.0 (7.7%)	1/19.0 (5.3%)
	Terminal Incidence	2/16 (12.5%)	3/19 (15.8%)	1/13 (7.7%)	1/19 (5.3%)
	Time-to-First	21 (T)	21 (T)	21 (T)	21 (T)
	Poly-K P-Value	0.139N	0.580	0.573N	0.439N
	Severity Profile	2 0 0 0	3 0 0 0	1 0 0 0	1 0 0 0
	JT/SW P-Value	0.119N	0.608N	0.416N	0.313N
	RTE P-Value	0.123N	0.357	0.313N	0.182N
		BPA 80	BPA 260	BPA 840	BPA 2700
Mammary Gland, Duct * Hyperplasia	Simple Incidence	1/20 (5.0%)	1/13 (7.7%)	2/18 (11.1%)	5/17 (29.4%)
	Poly-K Incidence	1/20.0 (5.0%)	1/13.0 (7.7%)	2/18.0 (11.1%)	5/17.0 (29.4%)
	Terminal Incidence	1/20 (5.0%)	1/13 (7.7%)	2/18 (11.1%)	5/17 (29.4%)
	Time-to-First	21 (T)	21 (T)	21 (T)	21 (T)
	Poly-K P-Value	0.544	0.458	0.260	0.023 *
	Severity Profile	1 0 0 0	1 0 0 0	2 0 0 0	5 0 0 0
	JT/SW P-Value	0.122	0.190	0.173	0.005 **
	RTE P-Value	0.321	0.261	0.118	0.006 **
Mammary Gland, Terminal End Bud * Hyperplasia	Simple Incidence	0/20 (0.0%)	0/13 (0.0%)	2/18 (11.1%)	1/17 (5.9%)
	Poly-K Incidence	0/20.0 (0.0%)	0/13.0 (0.0%)	2/18.0 (11.1%)	1/17.0 (5.9%)
	Terminal Incidence	0/20 (0.0%)	0/13 (0.0%)	2/18 (11.1%)	1/17 (5.9%)
	Time-to-First	----	----	21 (T)	21 (T)
	Poly-K P-Value	0.183N	0.280N	0.654N	0.479N
	Severity Profile	---	---	2 0 0 0	1 0 0 0
	JT/SW P-Value	0.112N	0.127N	0.239N	0.261N
	RTE P-Value	0.108N	0.105N	0.439N	0.187N

Table 4: Effect of Low Level Exposures to BPA on Non-neoplasm Incidence in Males

		Vehicle Controls	BPA 2.5	BPA 8.0	BPA 25
Mammary Gland, Duct *	Simple Incidence	1/19 (5.3%)	0/22 (0.0%)	0/17 (0.0%)	0/21 (0.0%)
	Poly-K Incidence	1/19.0 (5.3%)	0/22.0 (0.0%)	0/17.0 (0.0%)	0/21.0 (0.0%)
	Terminal Incidence	1/19 (5.3%)	0/22 (0.0%)	0/17 (0.0%)	0/21 (0.0%)
	Time-to-First	21 (T)	----	----	----
	Poly-K P-Value	0.055	0.471N	0.522N	0.480N
	Severity Profile	0 1 0 0	---	---	---
	JT/SWP P-Value	0.048 *	0.859	0.939	0.978
	RTE P-Value	0.053	0.109N	0.081N	0.108N
		BPA 80	BPA 260	BPA 840	BPA 2700
Mammary Gland, Duct *	Simple Incidence	0/20 (0.0%)	1/20 (5.0%)	0/20 (0.0%)	3/20 (15.0%)
	Poly-K Incidence	0/20.0 (0.0%)	1/20.0 (5.0%)	0/20.0 (0.0%)	3/20.0 (15.0%)
	Terminal Incidence	0/20 (0.0%)	1/20 (5.0%)	0/20 (0.0%)	3/20 (15.0%)
	Time-to-First	----	21 (T)	----	21 (T)
	Poly-K P-Value	0.490N	0.749N	0.490N	0.320
	Severity Profile	---	1 0 0 0	---	2 1 0 0
	JT/SWP P-Value	0.990	0.685	0.904	0.056
	RTE P-Value	0.094N	0.469N	0.094N	0.081

Table 5: Effect of High Level Exposures to BPA on Non-neoplasm Incidence in Females

		Vehicle Controls	BPA 100K	BPA 300K
Mammary Gland, Duct * Hyperplasia	Simple Incidence	0/16 (0.0%)	6/17 (35.3%)	3/12 (25.0%)
	Poly-K Incidence	0/16.0 (0.0%)	6/17.0 (35.3%)	3/12.0 (25.0%)
	Terminal Incidence	0/16 (0.0%)	6/17 (35.3%)	3/12 (25.0%)
	Time-to-First	----	21 (T)	21 (T)
	Poly-K P-Value	0.050	0.009 **	0.057
	Severity Profile	---	6 0 0 0	3 0 0 0
	JT/SW P-Value	0.032 *	0.005 **	0.025 *
	RTE P-Value	0.060	0.007 **	0.060
Mammary Gland, Terminal End Bud * Hyperplasia	Simple Incidence	2/16 (12.5%)	1/17 (5.9%)	1/12 (8.3%)
	Poly-K Incidence	2/16.0 (12.5%)	1/17.0 (5.9%)	1/12.0 (8.3%)
	Terminal Incidence	2/16 (12.5%)	1/17 (5.9%)	1/12 (8.3%)
	Time-to-First	21 (T)	21 (T)	21 (T)
	Poly-K P-Value	0.463N	0.479N	0.601N
	Severity Profile	2 0 0 0	1 0 0 0	1 0 0 0
	JT/SW P-Value	0.328N	0.258N	0.364N
	RTE P-Value	0.356N	0.260N	0.356N

Table 6: Effect of High Level Exposures to BPA on Non-neoplasm Incidence in Males

		Vehicle Controls	BPA 100K	BPA 300K
Mammary Gland, Duct * Hyperplasia	Simple Incidence	1/19 (5.3%)	2/20 (10.0%)	2/10 (20.0%)
	Poly-K Incidence	1/19.0 (5.3%)	2/20.0 (10.0%)	2/10.0 (20.0%)
	Terminal Incidence	1/19 (5.3%)	2/20 (10.0%)	2/10 (20.0%)
	Time-to-First	21 (T)	21 (T)	21 (T)
	Poly-K P-Value	0.189	0.518	0.277
	Severity Profile	0 1 0 0	2 0 0 0	2 0 0 0
	JT/SW P-Value	0.136	0.313	0.146
	RTE P-Value	0.157	0.340	0.157

Table 7: Effect of Ethinyl Estradiol Exposures on Non-neoplasm Incidence in Females

		Vehicle Controls	EE 0.5	EE 5.0
Mammary Gland, Duct * Hyperplasia	Simple Incidence	0/16 (0.0%)	0/20 (0.0%)	1/20 (5.0%)
	Poly-K Incidence	0/16.0 (0.0%)	0/20.0 (0.0%)	1/20.0 (5.0%)
	Terminal Incidence	0/16 (0.0%)	0/20 (0.0%)	1/20 (5.0%)
	Time-to-First	----	----	21 (T)
	Poly-K P-Value	0.337	---	0.544
	Severity Profile	---	---	1 0 0 0
	JT/SW P-Value	0.118	0.500	0.158
	RTE P-Value	0.178	0.500	0.178
Mammary Gland, Terminal End Bud * Hyperplasia	Simple Incidence	2/16 (12.5%)	4/20 (20.0%)	4/20 (20.0%)
	Poly-K Incidence	2/16.0 (12.5%)	4/20.0 (20.0%)	4/20.0 (20.0%)
	Terminal Incidence	2/16 (12.5%)	4/20 (20.0%)	4/20 (20.0%)
	Time-to-First	21 (T)	21 (T)	21 (T)
	Poly-K P-Value	0.449	0.442	0.442
	Severity Profile	2 0 0 0	4 0 0 0	4 0 0 0
	JT/SW P-Value	0.293	0.277	0.336
	RTE P-Value	0.322	0.285	0.285

Table 8: Effect of Ethinyl Estradiol Exposures on Non-neoplasm Incidence in Males

		Vehicle Controls	EE 0.5	EE 5.0
Mammary Gland, Duct * Hyperplasia	Simple Incidence	1/19 (5.3%)	11/19 (57.9%)	14/17 (82.4%)
	Poly-K Incidence	1/19.0 (5.3%)	11/19.0 (57.9%)	14/17.0 (82.4%)
	Terminal Incidence	1/19 (5.3%)	11/19 (57.9%)	14/17 (82.4%)
	Time-to-First	21 (T)	21 (T)	21 (T)
	Poly-K P-Value	<.001 ***	<.001 ***	<.001 ***
	Severity Profile	0 1 0 0	9 2 0 0	1 8 5 0
	JT/SW P-Value	<.001 ***	<.001 ***	<.001 ***
	RTE P-Value	<.001 ***	0.002 **	<.001 ***