

Statistical Analysis of Frozen Tissue Study Arm Body Weights

Table 1. Female Body Weights (g)																								
Treatment																								
Vehicle				BPA 2.5 (µg/kg)			BPA 8 (µg/kg)			BPA 25 (µg/kg)			BPA 80 (µg/kg)			BPA 260 (µg/kg)			BPA 840 (µg/kg)			BPA 2700 (µg/kg)		
Week	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.
1	20	11.3	0.3	23	11.1	0.3	18	11.2	0.3	21	11.0	0.4	20	10.9	0.3	19	10.8	0.4	20	11.6	0.2	20	11.5	0.3
2	20	25.9	0.6	23	25.1	0.5	18	25.8	0.6	21	24.4	1.0	20	24.6	0.6	19	24.4	0.8	20	26.5	0.5	20	25.8	0.5
3	20	43.7	0.9	23	42.1	0.8	18	43.4	0.9	21	40.9	1.5	20	41.5	0.8	19	41.5	1.2	20	44.6	0.7	20	42.8	0.7
4	20	70.1	1.2	23	69.8	1.3	18	69.2	1.2	21	66.2	2.2	20	68.2	1.5	19	68.3	1.8	20	71.3	1.2	20	70.9	1.2
5	20	106.6	1.9	23	106.6	2.1	18	105.9	1.5	21	100.6	2.8	20	105.5	2.2	19	105.9	2.3	20	108.2	1.6	20	109.2	1.9
6	20	143.5	2.7	23	142.6	2.7	18	141.9	2.1	21	134.3	3.4	20	141.1	2.6	19	143.5	2.9	20	143.5	2.2	20	145.5	2.5
7	20	173.1	3.2	23	172.2	3.2	18	171.4	2.5	21	163.4	4.0	20	169.9	3.2	19	174.4	3.6	20	171.9	2.7	20	174.2	2.9
8	20	201.6	3.9	23	196.5	3.6	18	197.8	2.9	21	189.7	4.8	20	196.3	4.0	19	203.7	4.4	20	198.4	3.0	20	200.5	3.6
9	20	225.3	4.4	23	221.9	4.0	18	221.3	3.2	21	213.4	5.5	20	221.0	4.4	19	228.6	4.9	20	222.5	3.4	20	223.5	3.9
10	20	245.1	4.7	23	241.3	4.4	18	240.8	3.6	21	232.9	6.2	20	241.4	5.0	19	249.0	5.8	20	242.1	3.6	20	241.1	4.8
11	20	261.3	5.2	23	258.5	4.7	18	257.7	4.0	21	249.4	6.9	20	258.4	5.5	19	265.1	5.9	20	260.3	4.3	19	261.1	4.8
12	20	275.3	5.6	23	273.0	5.4	18	272.2	4.2	21	264.8	7.4	20	273.8	6.0	19	280.3	6.4	20	276.3	4.8	19	276.9	5.0
13	20	285.1	6.0	23	283.6	5.6	18	281.8	4.5	21	274.9	7.9	20	282.9	6.3	19	291.6	6.8	20	286.0	5.1	19	288.3	6.0
Recv Wt	20	286.3	6.1	23	286.2	5.7	18	282.6	4.8	21	275.6	7.9	20	284.2	6.6	19	293.0	7.1	20	288.1	5.0	20	283.0	8.6

Table 1. Female Body Weights (g)															
Treatment															
	BPA 100,000 (µg/kg)			BPA 300,000 (µg/kg)			EE ₂ 0.5 (µg/kg)			EE ₂ 5.0 (µg/kg)			Naïve Control		
Week	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.
1	19	10.9	0.3	17	9.7	0.2	20	10.9	0.3	20	10.5	0.4	20	11.2	0.2
2	19	24.4	0.6	17	21.9	0.7	20	25.1	0.7	20	25.1	0.8	20	25.9	0.5
3	19	42.2	0.9	17	38.6	1.0	20	43.2	1.0	20	42.8	1.2	20	43.0	0.7
4	19	68.9	1.0	17	63.2	1.4	20	71.2	1.4	20	70.4	1.9	20	71.0	1.0
5	19	105.3	1.7	17	97.2	2.2	20	111.9	2.3	20	110.7	2.9	20	108.4	1.9
6	19	142.1	2.4	17	131.9	2.7	20	153.1	3.5	20	151.8	4.2	20	144.1	3.0
7	19	171.4	2.5	17	159.6	3.4	20	185.7	3.8	20	187.4	4.9	20	172.8	3.7
8	19	197.3	2.4	17	184.5	4.3	20	215.2	4.4	20	220.8	5.3	20	198.7	4.4
9	19	221.0	2.8	17	207.2	5.0	20	239.6	5.0	20	249.0	5.6	20	222.5	5.1
10	19	239.7	2.9	17	224.9	5.8	20	257.8	6.1	19	274.8	6.2	20	242.4	6.0
11	19	256.1	3.2	17	239.3	6.6	20	277.9	6.6	19	295.0	6.8	20	260.0	6.6
12	19	269.5	3.6	17	250.1	7.2	20	292.6	6.9	19	312.7	7.5	20	273.7	7.1
13	19	279.3	4.1	17	256.0	7.4	20	301.6	6.9	19	325.2	7.5	20	283.7	7.4
Recv Wt	19	281.3	4.5	17	256.7	7.3	20	301.5	7.0	20	320.6	8.7	20	286.7	7.8

Statistical Analysis of Frozen Tissue Study Arm Body Weights

Table 2. Male Body Weights (g)																								
Treatment																								
Vehicle				BPA 2.5 (µg/kg)			BPA 8 (µg/kg)			BPA 25 (µg/kg)			BPA 80 (µg/kg)			BPA 260 (µg/kg)			BPA 840 (µg/kg)			BPA 2700 (µg/kg)		
Week	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.
1	20	12.1	0.3	23	12.4	0.4	18	12.2	0.3	21	12.0	0.3	20	12.0	0.3	20	11.5	0.4	20	12.0	0.3	21	12.3	0.4
2	20	27.1	0.6	23	27.1	0.7	18	27.8	0.8	21	26.9	0.7	20	26.5	0.7	20	25.8	0.7	20	27.2	0.7	21	27.4	0.7
3	20	45.2	1.1	23	45.1	1.2	18	46.5	1.1	21	45.5	1.0	20	44.1	1.1	20	43.9	1.1	20	46.1	1.0	21	45.6	0.9
4	20	75.0	1.7	23	77.3	1.9	18	76.7	1.7	21	75.8	1.7	20	77.3	2.6	20	74.6	1.9	20	77.2	1.4	21	77.7	1.8
5	20	119.9	2.7	23	124.5	2.8	18	123.4	2.4	21	121.1	2.6	20	121.0	2.6	20	120.6	3.2	20	124.3	2.0	20	125.5	2.9
6	20	173.9	4.1	23	181.4	3.9	18	179.7	3.2	21	174.5	4.1	20	175.1	3.6	20	176.7	4.3	20	178.7	2.9	20	180.6	4.6
7	20	231.8	5.5	23	241.0	4.9	18	240.5	4.0	21	231.4	5.4	20	231.7	4.7	20	233.2	6.5	20	234.6	3.8	19	244.0	5.0
8	20	291.2	6.9	23	301.0	5.8	18	302.4	4.4	21	289.9	6.5	20	288.0	5.4	20	292.3	7.1	20	290.3	4.6	19	304.6	6.3
9	20	343.6	8.4	23	353.5	6.4	18	354.4	6.4	21	339.4	7.6	20	337.8	6.2	20	342.3	8.0	20	342.4	5.4	19	358.9	6.6
10	20	385.8	9.4	23	395.6	6.9	18	400.4	6.6	21	382.5	8.3	20	379.0	6.8	19	390.1	7.0	20	382.9	6.4	19	403.1	7.1
11	20	422.0	10.4	23	431.8	7.4	18	439.1	6.8	21	419.3	8.9	20	414.3	7.4	19	426.8	7.1	20	417.5	7.2	19	440.7	7.7
12	20	452.8	11.1	23	462.5	8.0	18	473.3	7.2	21	451.3	9.7	20	445.0	8.0	19	458.2	7.5	20	446.3	7.5	19	471.0	8.5
13	17	471.1	10.8	15	480.3	9.6	15	497.2	9.1	15	475.1	12.2	12	467.7	10.3	12	480.7	11.3	13	461.6	10.7	15	499.9	9.6
Recv Wt	20	476.2	11.8	23	484.2	8.6	18	495.1	8.2	21	470.9	10.0	20	465.7	8.5	20	466.1	13.7	20	464.1	7.8	21	454.3	27.8

Table 2. Male Body Weights (g)															
Treatment															
	BPA 100,000 (µg/kg)			BPA 300,000 (µg/kg)			EE ₂ 0.5 (µg/kg)			EE ₂ 5.0 (µg/kg)			Naïve Control		
Week	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.
1	19	11.7	0.3	18	10.9	0.3	20	11.8	0.2	20	11.8	0.3	20	12.0	0.2
2	19	26.1	0.7	18	24.3	0.7	20	27.0	0.5	20	27.6	0.7	20	27.1	0.4
3	19	44.8	1.0	18	41.2	1.5	20	45.5	0.8	20	45.5	1.2	20	45.0	0.6
4	19	75.8	1.4	18	68.5	2.8	20	78.8	1.2	20	76.8	2.0	20	77.3	0.9
5	19	121.0	1.8	17	108.9	5.0	20	127.0	2.1	20	123.4	3.2	20	125.1	1.8
6	19	173.6	2.5	17	155.0	7.5	20	184.2	3.0	20	176.1	4.7	20	182.1	2.6
7	19	228.7	3.1	17	202.7	10.2	20	243.5	4.3	20	228.9	6.1	20	242.0	3.5
8	19	283.3	3.4	16	263.5	8.1	20	303.7	5.0	20	285.7	7.4	20	302.3	4.5
9	19	331.4	4.0	16	311.7	9.9	20	355.3	5.6	20	338.7	8.3	20	352.3	5.4
10	19	372.3	4.6	16	353.0	10.8	20	397.1	6.4	20	385.2	9.1	20	394.4	6.3
11	18	403.3	5.3	16	385.7	11.3	20	433.6	7.3	20	424.3	9.4	20	430.8	6.8
12	17	429.5	6.1	16	414.9	11.3	20	463.5	7.7	20	455.2	9.4	20	461.2	7.1
13	15	450.8	6.4	9	432.7	19.2	15	484.1	10.2	14	471.2	12.9	18	482.0	7.9
Recv Wt	19	446.2	6.8	18	392.0	29.2	20	486.8	8.1	20	474.0	9.4	20	483.7	7.7

Table 3. ANOVA Results for Body Weight					
Sex	Effect	NumDF	DenDF	FValue	ProbF
F	Group	12	244	6.026	0.000
	Week	12	2921	3511.853	0.000
	Group*Week	144	2921	1.189	0.066
M	Group	12	247	4.615	0.000
	Week	12	2856	3812.068	0.000
	Group*Week	144	2856	0.861	0.881

Week	Vehicle			BPA 2.5 (µg/kg)			BPA 8 (µg/kg)			BPA 25 (µg/kg)			BPA 80 (µg/kg)			BPA 260 (µg/kg)			BPA 840 (µg/kg)			BPA 2700 (µg/kg)		
	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val
1-13	159.1	2.8	0.446	157.3	2.6	0.997	156.9	3.0	0.995	151.2	2.8	0.224	156.6	2.8	0.985	160.5	2.9	0.999	158.7	2.8	1.000	158.7	2.8	1.000
1	11.4	0.3	0.163	11.4	0.3	1.000	11.4	0.3	1.000	11.1	0.3	0.967	11.0	0.3	0.854	10.9	0.3	0.755	11.8	0.3	0.956	11.6	0.3	0.997
2	26.0	0.6	0.247	25.1	0.6	0.860	25.9	0.7	1.000	24.5	0.6	0.385	24.7	0.6	0.547	24.5	0.7	0.411	26.6	0.6	0.984	25.8	0.6	1.000
3	44.0	1.0	0.355	42.5	0.9	0.765	43.6	1.0	1.000	41.2	1.0	0.183	41.9	1.0	0.475	41.9	1.0	0.475	44.9	1.0	0.986	43.3	1.0	0.993
4	70.6	1.5	0.110	70.2	1.4	1.000	69.7	1.5	0.999	66.6	1.4	0.243	68.7	1.5	0.913	68.8	1.5	0.930	71.9	1.5	0.986	71.4	1.5	0.999
5	106.6	2.1	0.065	106.6	2.0	1.000	105.9	2.2	1.000	100.6	2.1	0.191	105.4	2.1	0.999	105.9	2.2	1.000	108.2	2.1	0.995	109.0	2.1	0.948
6	143.2	2.9	0.132	142.3	2.7	1.000	141.6	3.0	0.999	134.2	2.8	0.124	140.8	2.9	0.990	143.1	2.9	1.000	143.1	2.9	1.000	145.1	2.9	0.997
7	173.2	3.4	0.290	171.9	3.2	1.000	171.2	3.6	0.999	163.3	3.3	0.176	169.8	3.4	0.970	174.4	3.5	1.000	171.9	3.4	1.000	174.2	3.4	1.000
8	201.3	4.0	0.421	196.7	3.7	0.933	197.8	4.2	0.988	189.6	3.9	0.171	196.2	4.0	0.910	203.4	4.1	0.999	198.4	4.0	0.995	200.4	4.0	1.000
9	225.1	4.5	0.642	221.6	4.2	0.991	221.1	4.7	0.987	213.2	4.4	0.261	220.8	4.5	0.977	228.5	4.6	0.994	222.2	4.5	0.998	223.3	4.5	1.000
10	245.0	5.1	0.973	241.3	4.7	0.994	240.7	5.4	0.990	232.8	5.0	0.360	241.2	5.1	0.994	248.8	5.2	0.995	242.1	5.1	0.999	241.0	5.1	0.993
11	261.3	5.5	0.869	258.3	5.2	0.999	257.5	5.8	0.997	249.3	5.4	0.474	258.5	5.5	1.000	265.1	5.7	0.997	260.2	5.5	1.000	258.4	5.6	0.999
12	275.1	6.0	0.729	273.0	5.6	1.000	272.1	6.3	1.000	264.6	5.8	0.690	273.6	6.0	1.000	280.3	6.1	0.988	276.1	6.0	1.000	274.2	6.0	1.000
13	285.1	6.3	0.590	283.8	5.9	1.000	281.7	6.7	0.999	274.9	6.2	0.759	282.9	6.3	1.000	291.4	6.5	0.975	286.2	6.3	1.000	285.9	6.4	1.000

Week	BPA 100,000 (µg/kg)			BPA 300,000 (µg/kg)			EE ₂ 0.5 (µg/kg)			EE ₂ 5.0 (µg/kg)			Naïve Control		
	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val
1-13	156.0	2.9	0.669	144.9	3.1	0.002	168.1	2.8	0.046	174.6	2.8	0.000	158.3	2.8	0.839
1	11.0	0.3	0.466	9.9	0.3	0.002	11.0	0.3	0.590	10.7	0.3	0.167	11.3	0.3	0.848
2	24.5	0.7	0.197	22.0	0.7	0.000	25.2	0.6	0.592	25.2	0.6	0.594	25.9	0.6	0.942
3	42.5	1.0	0.448	38.9	1.1	0.001	43.6	1.0	0.936	43.2	1.0	0.746	43.4	1.0	0.647
4	69.4	1.5	0.794	63.7	1.6	0.003	71.8	1.5	0.784	71.0	1.5	0.964	71.4	1.5	0.684
5	105.3	2.2	0.875	97.2	2.3	0.005	111.9	2.1	0.141	110.7	2.1	0.295	108.4	2.1	0.552
6	141.8	2.9	0.920	131.6	3.1	0.012	152.6	2.9	0.037	151.5	2.9	0.073	143.8	2.9	0.870
7	171.3	3.5	0.887	159.6	3.7	0.013	185.7	3.4	0.019	187.4	3.4	0.007	172.6	3.4	0.888
8	197.3	4.1	0.703	184.4	4.3	0.008	214.9	4.0	0.029	220.6	4.0	0.001	198.7	4.0	0.644
9	220.6	4.6	0.702	207.0	4.9	0.012	239.3	4.5	0.048	248.8	4.5	0.000	222.4	4.5	0.671
10	239.8	5.2	0.700	224.7	5.5	0.013	258.1	5.1	0.123	273.1	5.1	0.000	242.4	5.1	0.721
11	255.9	5.7	0.721	239.2	6.0	0.013	277.6	5.5	0.069	293.5	5.6	0.000	259.6	5.5	0.833
12	269.3	6.1	0.720	249.8	6.5	0.008	292.5	6.0	0.074	311.1	6.1	0.000	273.5	6.0	0.854
13	279.5	6.5	0.759	256.2	6.9	0.004	301.6	6.3	0.117	323.6	6.4	0.000	283.7	6.3	0.877

All p-values and % are relative to the control group, except p-values for the linear trend are presented under the control group.

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Table 5. Female Body Weight Least Square Mean Treatment Percent of Vehicle												
Week	Treatments											
	BPA 2.5 (µg/kg)	BPA 8 (µg/kg)	BPA 25 (µg/kg)	BPA 80 (µg/kg)	BPA 260 (µg/kg)	BPA 840 (µg/kg)	BPA 2700 (µg/kg)	BPA 100,000 (µg/kg)	BPA 300,000 (µg/kg)	EE ₂ 0.5 (µg/kg)	EE ₂ 5.0 (µg/kg)	Naïve Control
1-13	98.9	98.7	95.1	98.4	100.9	99.8	99.8	98.1	91.1	105.7	109.8	99.5
1	99.5	99.6	97.3	96.2	95.5	102.9	101.8	96.0	86.8	96.7	93.7	99.3
2	96.6	99.7	94.1	94.9	94.1	102.3	99.3	94.3	84.7	96.9	97.0	99.7
3	96.5	99.1	93.6	95.1	95.1	101.9	98.3	96.5	88.2	99.1	98.0	98.6
4	99.4	98.8	94.4	97.4	97.5	101.8	101.1	98.3	90.2	101.7	100.7	101.2
5	99.9	99.3	94.3	98.9	99.3	101.5	102.2	98.8	91.2	104.9	103.8	101.7
6	99.4	98.9	93.7	98.3	99.9	100.0	101.4	99.0	91.9	106.6	105.8	100.5
7	99.2	98.8	94.2	98.0	100.7	99.2	100.5	98.9	92.1	107.2	108.2	99.6
8	97.7	98.3	94.2	97.5	101.1	98.6	99.6	98.0	91.6	106.8	109.6	98.7
9	98.4	98.2	94.7	98.1	101.5	98.7	99.2	98.0	92.0	106.3	110.5	98.8
10	98.5	98.3	95.0	98.4	101.5	98.8	98.4	97.9	91.7	105.3	111.5	99.0
11	98.9	98.6	95.4	98.9	101.5	99.6	98.9	97.9	91.5	106.2	112.3	99.4
12	99.2	98.9	96.2	99.4	101.9	100.4	99.7	97.9	90.8	106.3	113.1	99.4
13	99.5	98.8	96.4	99.2	102.2	100.4	100.3	98.0	89.9	105.8	113.5	99.5

Statistical Analysis of Frozen Tissue Study Arm Body Weights

Table 6. Female Body Weight Unadjusted P-values												
Week	Treatments											
	BPA 2.5 (µg/kg)	BPA 8 (µg/kg)	BPA 25 (µg/kg)	BPA 80 (µg/kg)	BPA 260 (µg/kg)	BPA 840 (µg/kg)	BPA 2700 (µg/kg)	BPA 100,000 (µg/kg)	BPA 300,000 (µg/kg)	EE ₂ 0.5 (µg/kg)	EE ₂ 5.0 (µg/kg)	Naïve Control
1-13	0.642	0.606	0.049	0.533	0.719	0.931	0.933	0.451	0.001	0.025	0.000	0.839
1	0.885	0.911	0.467	0.314	0.246	0.441	0.639	0.291	0.001	0.384	0.095	0.848
2	0.319	0.932	0.094	0.149	0.102	0.523	0.840	0.113	0.000	0.386	0.388	0.942
3	0.251	0.781	0.038	0.123	0.123	0.536	0.583	0.278	0.000	0.763	0.522	0.647
4	0.843	0.688	0.053	0.374	0.396	0.537	0.703	0.570	0.001	0.560	0.822	0.684
5	0.975	0.816	0.040	0.684	0.811	0.606	0.426	0.668	0.003	0.079	0.175	0.552
6	0.816	0.701	0.025	0.558	0.984	0.990	0.629	0.735	0.006	0.020	0.040	0.870
7	0.775	0.682	0.037	0.473	0.807	0.774	0.848	0.684	0.007	0.010	0.003	0.888
8	0.400	0.543	0.035	0.370	0.702	0.607	0.875	0.481	0.004	0.015	0.001	0.644
9	0.566	0.538	0.058	0.498	0.593	0.651	0.778	0.480	0.006	0.026	0.000	0.671
10	0.590	0.562	0.086	0.596	0.605	0.687	0.580	0.478	0.007	0.069	0.000	0.721
11	0.694	0.638	0.123	0.720	0.629	0.895	0.710	0.498	0.007	0.038	0.000	0.833
12	0.795	0.733	0.211	0.857	0.548	0.908	0.919	0.497	0.004	0.040	0.000	0.854
13	0.880	0.711	0.248	0.801	0.490	0.907	0.933	0.535	0.002	0.065	0.000	0.877

Statistical Analysis of Frozen Tissue Study Arm Body Weights

Week	Vehicle			BPA 2.5 (µg/kg)			BPA 8 (µg/kg)			BPA 25 (µg/kg)			BPA 80 (µg/kg)			BPA 260 (µg/kg)			BPA 840 (µg/kg)			BPA 2700 (µg/kg)		
	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val
1-13	235.0	4.0	0.332	241.4	3.8	0.753	244.0	4.3	0.479	234.0	4.0	1.000	232.3	4.1	0.997	235.4	4.1	1.000	234.3	4.1	1.000	242.2	4.0	0.679
1	12.2	0.3	0.551	12.7	0.3	0.793	12.3	0.3	1.000	12.2	0.3	1.000	12.1	0.3	1.000	11.6	0.3	0.629	12.1	0.3	1.000	12.5	0.3	0.985
2	27.2	0.7	0.598	27.1	0.6	1.000	27.9	0.7	0.957	27.0	0.7	1.000	26.5	0.7	0.981	25.9	0.7	0.605	27.2	0.7	1.000	27.4	0.7	1.000
3	45.7	1.1	0.673	45.6	1.0	1.000	46.9	1.1	0.952	45.9	1.1	1.000	45.6	1.1	1.000	44.4	1.1	0.926	46.5	1.1	0.994	46.2	1.1	1.000
4	75.7	1.8	0.389	78.0	1.7	0.882	77.5	1.9	0.975	76.5	1.7	1.000	77.0	1.8	0.995	75.2	1.8	1.000	78.0	1.8	0.905	78.3	1.7	0.836
5	120.2	2.8	0.331	125.0	2.6	0.668	123.9	2.9	0.900	121.4	2.7	1.000	121.3	2.8	1.000	121.1	2.8	1.000	124.6	2.8	0.765	124.8	2.7	0.721
6	174.1	4.0	0.554	181.5	3.8	0.621	179.9	4.2	0.866	174.6	3.9	1.000	175.2	4.0	1.000	176.7	4.0	0.998	178.8	4.0	0.942	179.5	4.0	0.886
7	232.0	5.3	0.533	241.1	4.9	0.684	240.5	5.5	0.793	231.6	5.1	1.000	231.7	5.3	1.000	233.5	5.3	1.000	234.5	5.3	1.000	239.1	5.2	0.881
8	291.0	5.9	0.477	300.6	5.5	0.729	301.9	6.2	0.669	289.5	5.7	1.000	287.8	5.9	0.999	291.8	5.9	1.000	290.2	5.9	1.000	299.5	5.9	0.844
9	343.1	6.8	0.332	353.1	6.4	0.814	354.3	7.2	0.777	339.3	6.7	0.999	337.4	6.8	0.989	341.7	6.8	1.000	341.8	6.8	1.000	353.4	6.8	0.819
10	385.7	7.4	0.302	395.4	6.9	0.880	400.0	7.8	0.629	382.0	7.2	1.000	378.8	7.4	0.980	385.3	7.4	1.000	382.6	7.4	1.000	397.9	7.4	0.751
11	421.8	7.9	0.315	431.6	7.4	0.909	439.0	8.4	0.512	419.3	7.8	1.000	414.1	7.9	0.976	422.3	8.0	1.000	417.3	7.9	0.999	435.5	8.0	0.716
12	452.5	8.4	0.420	462.5	7.8	0.923	473.1	8.9	0.381	450.9	8.2	1.000	444.9	8.4	0.983	454.0	8.5	1.000	446.2	8.4	0.995	466.3	8.5	0.764
13	473.3	9.1	0.452	484.1	8.7	0.926	495.0	9.6	0.406	472.0	9.0	1.000	467.2	9.5	0.997	476.0	9.6	1.000	466.5	9.4	0.995	488.2	9.3	0.766

Week	BPA 100,000 (µg/kg)			BPA 300,000 (µg/kg)			EE ₂ 0.5 (µg/kg)			EE ₂ 5.0 (µg/kg)			Naïve Control		
	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val
1-13	227.1	4.2	0.303	209.2	4.4	0.000	242.8	4.0	0.287	234.8	4.1	0.999	241.1	4.0	0.288
1	11.9	0.3	0.731	11.1	0.3	0.039	12.0	0.3	0.863	12.0	0.3	0.909	12.2	0.3	0.992
2	26.2	0.7	0.463	24.4	0.7	0.007	27.0	0.7	0.977	27.5	0.7	0.888	27.1	0.7	0.962
3	45.3	1.1	0.948	41.6	1.1	0.017	46.2	1.1	0.923	46.1	1.1	0.956	45.6	1.1	0.960
4	76.4	1.8	0.941	69.1	1.9	0.020	79.4	1.8	0.240	77.4	1.8	0.706	77.9	1.8	0.374
5	121.3	2.8	0.945	108.7	2.9	0.008	127.4	2.8	0.112	123.7	2.8	0.560	125.5	2.8	0.171
6	173.8	4.1	0.997	154.4	4.3	0.002	184.3	4.0	0.133	175.9	4.0	0.930	182.1	4.0	0.159
7	228.5	5.4	0.859	202.2	5.6	0.000	243.7	5.3	0.204	229.1	5.3	0.896	242.1	5.3	0.175
8	283.0	6.0	0.540	254.2	6.3	0.000	303.3	5.9	0.237	285.4	5.9	0.726	301.8	5.9	0.192
9	331.2	7.0	0.370	301.9	7.4	0.000	354.9	6.8	0.366	338.6	6.8	0.853	352.0	6.8	0.355
10	371.8	7.6	0.318	343.2	8.1	0.000	396.9	7.4	0.456	384.8	7.4	0.995	394.1	7.4	0.424
11	403.7	8.2	0.197	376.7	8.7	0.000	433.3	7.9	0.484	424.1	7.9	0.969	430.6	7.9	0.434
12	430.6	8.8	0.127	405.9	9.3	0.000	463.3	8.4	0.565	455.0	8.4	0.969	461.1	8.4	0.473
13	449.2	9.5	0.121	425.8	10.6	0.001	485.3	9.2	0.551	472.5	9.3	0.997	481.6	9.0	0.516

All p-values and % are relative to the control group, except p-values for the linear trend are presented under the control group.

Statistical Analysis of Frozen Tissue Study Arm Body Weights

Week	Treatments											Naïve Control
	BPA 2.5 (µg/kg)	BPA 8 (µg/kg)	BPA 25 (µg/kg)	BPA 80 (µg/kg)	BPA 260 (µg/kg)	BPA 840 (µg/kg)	BPA 2700 (µg/kg)	BPA 100,000 (µg/kg)	BPA 300,000 (µg/kg)	EE ₂ 0.5 (µg/kg)	EE ₂ 5.0 (µg/kg)	
1-13	102.7	103.9	99.6	98.9	100.2	99.7	103.1	96.7	89.0	103.4	99.9	102.6
1	103.9	101.1	99.9	99.5	95.1	99.3	102.3	97.6	91.2	98.4	98.7	100.0
2	99.7	102.7	99.3	97.7	95.3	100.3	100.8	96.3	89.7	99.4	101.4	99.8
3	99.8	102.7	100.6	99.8	97.1	101.8	101.1	99.1	91.0	101.1	100.8	99.8
4	103.1	102.4	101.0	101.7	99.4	103.0	103.4	101.0	91.2	104.9	102.3	103.0
5	104.0	103.1	101.0	100.9	100.8	103.7	103.9	100.9	90.5	106.0	103.0	104.4
6	104.2	103.3	100.3	100.6	101.5	102.7	103.1	99.8	88.7	105.8	101.0	104.6
7	103.9	103.6	99.8	99.9	100.6	101.1	103.1	98.5	87.2	105.0	98.8	104.3
8	103.3	103.8	99.5	98.9	100.3	99.7	102.9	97.3	87.4	104.2	98.1	103.7
9	102.9	103.3	98.9	98.3	99.6	99.6	103.0	96.5	88.0	103.4	98.7	102.6
10	102.5	103.7	99.0	98.2	99.9	99.2	103.2	96.4	89.0	102.9	99.8	102.2
11	102.3	104.1	99.4	98.2	100.1	98.9	103.3	95.7	89.3	102.7	100.6	102.1
12	102.2	104.5	99.6	98.3	100.3	98.6	103.0	95.2	89.7	102.4	100.5	101.9
13	102.3	104.6	99.7	98.7	100.6	98.6	103.1	94.9	90.0	102.5	99.8	101.8

Statistical Analysis of Frozen Tissue Study Arm Body Weights

Table 9. Male Body Weight Unadjusted P-values												
Week	Treatments											
	BPA 2.5 (µg/kg)	BPA 8 (µg/kg)	BPA 25 (µg/kg)	BPA 80 (µg/kg)	BPA 260 (µg/kg)	BPA 840 (µg/kg)	BPA 2700 (µg/kg)	BPA 100,000 (µg/kg)	BPA 300,000 (µg/kg)	EE ₂ 0.5 (µg/kg)	EE ₂ 5.0 (µg/kg)	Naïve Control
1-13	0.246	0.125	0.867	0.641	0.945	0.915	0.207	0.180	0.000	0.170	0.977	0.288
1	0.269	0.775	0.978	0.892	0.183	0.851	0.528	0.508	0.021	0.652	0.717	0.992
2	0.920	0.442	0.847	0.513	0.173	0.929	0.805	0.289	0.004	0.859	0.686	0.962
3	0.961	0.432	0.865	0.952	0.391	0.590	0.729	0.787	0.009	0.740	0.805	0.960
4	0.340	0.490	0.755	0.607	0.862	0.364	0.300	0.772	0.010	0.140	0.484	0.374
5	0.201	0.357	0.759	0.773	0.816	0.252	0.227	0.780	0.004	0.062	0.361	0.171
6	0.179	0.324	0.930	0.848	0.648	0.414	0.343	0.949	0.001	0.075	0.753	0.159
7	0.208	0.269	0.955	0.965	0.840	0.736	0.338	0.646	0.000	0.117	0.698	0.175
8	0.231	0.201	0.863	0.707	0.921	0.927	0.306	0.346	0.000	0.138	0.502	0.192
9	0.283	0.259	0.689	0.554	0.886	0.895	0.287	0.224	0.000	0.221	0.639	0.355
10	0.338	0.183	0.720	0.507	0.972	0.769	0.244	0.189	0.000	0.284	0.932	0.424
11	0.368	0.137	0.819	0.494	0.962	0.688	0.224	0.113	0.000	0.304	0.835	0.434
12	0.386	0.093	0.888	0.522	0.904	0.598	0.251	0.071	0.000	0.365	0.835	0.473
13	0.391	0.101	0.917	0.640	0.835	0.603	0.252	0.068	0.001	0.354	0.950	0.516