

RR-9: CLARITY-BPA Core Study
Data from 23 – Appendix XXIII Prewaning Body Weight Statistical Report

a) BPA Treatments

Table 1. Summary Statistics for Prewaning Female Body Weight Bisphenol-A¹

		<i>Dose (µg/kg_{BW}/day)</i>																	
		0			2.5			25			250			2500			25000		
<i>PND</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	
1	71	6.8	0.1	60	6.7	0.1	57	6.8	0.1	58	6.8	0.1	59	6.7	0.1	59	6.8	0.1	
4	71	10.6	0.1	59	10.1	0.2	57	10.5	0.2	58	10.4	0.1	58	10.3	0.2	59	10.4	0.2	
7	71	15.8	0.2	59	15.2	0.2	57	15.6	0.2	58	15.3	0.2	58	15.1	0.3	59	15.4	0.2	
14	71	30.6	0.4	59	30.1	0.4	57	30.9	0.4	58	30.0	0.4	58	29.6	0.4	59	29.9	0.4	
21	70	50.1	0.6	56	49.5	0.7	55	50.6	0.6	56	49.2	0.7	56	48.6	0.7	57	49.1	0.6	

¹ Summary statistics were calculated using mean pup weight within litter weighted by litter size (N equals the number of litters).

Table 2. Summary Statistics for Prewaning Male Body Weight Bisphenol-A¹

		<i>Dose (µg/kg_{BW}/day)</i>																	
		0			2.5			25			250			2500			25000		
<i>PND</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	
1	71	7.2	0.1	60	7.1	0.1	57	7.3	0.1	59	7.2	0.1	60	7.1	0.1	60	7.3	0.1	
4	71	11.4	0.2	59	11.0	0.1	57	11.4	0.2	58	11.2	0.2	59	10.9	0.2	60	11.4	0.2	
7	71	16.9	0.2	59	16.4	0.2	57	16.8	0.3	58	16.4	0.2	59	16.2	0.3	60	16.7	0.2	
14	71	32.3	0.4	59	31.7	0.4	57	32.4	0.4	58	31.5	0.4	59	31.3	0.4	60	31.7	0.4	
21	70	53.0	0.6	58	52.2	0.6	56	53.6	0.6	58	51.8	0.7	59	51.5	0.7	59	52.4	0.7	

¹ Summary statistics were calculated using mean pup weight within litter weighted by litter size (N refers to the number of litters).

Table 3. ANOVA Results for Female Body Weight Bisphenol-A

<i>PND¹</i>	<i>NumDF</i>	<i>DenDF</i>	<i>Fvalue</i>	<i>P value</i>
1	5	358	0.606	0.695
4	5	356	1.672	0.140
7	5	356	1.465	0.200
14	5	356	1.519	0.183
21	5	344	1.698	0.134

¹ Analysis was conducted separately at each PND with litter as the unit of analysis.

RR-9: CLARITY-BPA Core Study
 Data from 23 – Appendix XXIII Preweaning Body Weight Statistical Report

Table 4. Comparisons of Least Squares Means for Female Body Weight Bisphenol-A¹

<i>Dose (µg/kg·BW/day)</i>																							
0				2.5				25				250				2500				25000			
<i>PND</i>	<i>Mean</i>	<i>SE</i>	<i>P value</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>
1	6.8	0.1	0.994	6.7	0.1	98.1	0.814	6.9	0.1	100.7	0.996	6.8	0.1	99.2	0.994	6.7	0.1	98.1	0.813	6.9	0.1	100.3	1.000
4	10.7	0.2	0.472	10.2	0.2	94.8	0.068	10.6	0.2	99.0	0.990	10.4	0.2	97.3	0.611	10.2	0.2	95.6	0.154	10.5	0.2	98.0	0.847
7	15.9	0.2	0.324	15.3	0.2	96.4	0.303	15.7	0.2	99.2	0.997	15.3	0.2	96.6	0.367	15.1	0.2	95.4	0.118	15.6	0.2	98.6	0.955
14	30.8	0.4	0.084	30.2	0.4	98.1	0.763	31.1	0.4	100.9	0.989	30.1	0.4	97.9	0.679	29.7	0.4	96.4	0.171	30.1	0.4	97.9	0.678
21	50.3	0.6	0.083	49.6	0.7	98.6	0.913	50.9	0.7	101.2	0.945	49.1	0.7	97.6	0.546	48.5	0.7	96.4	0.174	49.5	0.7	98.3	0.831

¹ All p-values and % are relative to the 0 dose control group, except p-value for dose trend shown below control.

Table 5. ANOVA Results for Male Body Weight Bisphenol-A

<i>PND¹</i>	<i>NumDF</i>	<i>DenDF</i>	<i>Fvalue</i>	<i>P value</i>
1	5	361	1.394	0.225
4	5	358	2.332	0.041
7	5	358	1.672	0.140
14	5	358	1.274	0.274
21	5	354	1.151	0.332

¹ Analysis was conducted separately at each PND with litter as the unit of analysis.

Table 6. Comparisons of Least Squares Means for Male Body Weight Bisphenol-A¹

<i>Dose (µg/kg·BW/day)</i>																							
0				2.5				25				250				2500				25000			
<i>PND</i>	<i>Mean</i>	<i>SE</i>	<i>P value</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>
1	7.3	0.1	0.674	7.1	0.1	97.5	0.605	7.4	0.1	101.6	0.897	7.2	0.1	98.8	0.965	7.1	0.1	97.9	0.754	7.4	0.1	101.3	0.951
4	11.5	0.2	0.751	11.0	0.2	95.3	0.102	11.5	0.2	100.0	1.000	11.1	0.2	97.0	0.475	11.0	0.2	95.3	0.101	11.5	0.2	99.8	1.000
7	17.0	0.2	0.438	16.3	0.2	96.3	0.243	17.0	0.3	100.0	1.000	16.4	0.3	96.8	0.369	16.3	0.2	96.0	0.167	16.8	0.2	99.0	0.986
14	32.4	0.4	0.171	31.7	0.4	97.9	0.639	32.6	0.4	100.4	1.000	31.6	0.4	97.3	0.426	31.4	0.4	96.9	0.260	31.9	0.4	98.4	0.824
21	53.1	0.6	0.451	52.3	0.7	98.6	0.904	53.8	0.7	101.4	0.910	52.0	0.7	97.9	0.665	51.9	0.7	97.7	0.578	52.9	0.7	99.6	1.000

¹ All p-values and % are relative to the 0 dose control group, except p-value for dose trend shown below control.

b) *EE₂ Treatments*

Table 7. Summary Statistics for Prewaning Female Body Weight Ethinyl Estradiol¹

		<i>Dose (µg/kg_{BW}/day)</i>								
		<i>0</i>			<i>0.05</i>			<i>0.5</i>		
<i>PND</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	
1	71	6.8	0.1	34	6.6	0.1	47	6.9	0.1	
4	71	10.6	0.1	34	10.1	0.2	47	10.9	0.2	
7	71	15.8	0.2	34	15.0	0.3	47	16.0	0.3	
14	71	30.6	0.4	34	29.9	0.6	47	31.4	0.4	
21	70	50.1	0.6	33	50.2	0.9	47	51.9	0.7	

¹ Summary statistics were calculated using mean pup weight within litter weighted by litter size (N equals the number of litters).

Table 8. Summary Statistics for Prewaning Male Body Weight Ethinyl Estradiol¹

		<i>Dose (µg/kg_{BW}/day)</i>								
		<i>0</i>			<i>0.05</i>			<i>0.5</i>		
<i>PND</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	<i>N</i>	<i>Mean</i>	<i>SE</i>	
1	71	7.2	0.1	32	7.0	0.1	49	7.2	0.1	
4	71	11.4	0.2	32	10.8	0.2	48	11.3	0.2	
7	71	16.9	0.2	32	16.1	0.4	48	16.6	0.3	
14	71	32.3	0.4	32	31.8	0.6	48	32.5	0.5	
21	70	53.0	0.6	32	53.0	1.0	47	54.0	0.8	

¹ Summary statistics were calculated using mean pup weight within litter weighted by litter size (N refers to the number of litters).

Table 9. ANOVA Results for Female Body Weight Ethinyl Estradiol

<i>PND¹</i>	<i>NumDF</i>	<i>DenDF</i>	<i>Fvalue</i>	<i>P value</i>
1	2	149	1.923	0.149
4	2	149	5.194	0.006
7	2	149	3.930	0.021
14	2	149	2.338	0.100
21	2	147	1.306	0.273

¹ Analysis was conducted separately at each PND with litter as the unit of analysis.

Table 10. Comparisons of Least Squares Means for Female Body Weight Ethinyl Estradiol¹

		<i>Dose (µg/kg_{BW}/day)</i>									
		<i>0</i>				<i>0.05</i>				<i>0.5</i>	
<i>PND</i>	<i>Mean</i>	<i>SE</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>	
1	6.8	0.1	6.6	0.1	96.5	0.244	6.9	0.1	101.4	0.755	
4	10.7	0.2	10.0	0.2	93.3	0.015	10.9	0.2	101.6	0.726	
7	15.9	0.2	14.9	0.3	93.6	0.025	16.0	0.3	100.6	0.954	
14	30.8	0.4	29.8	0.6	96.7	0.238	31.3	0.5	101.8	0.579	
21	50.3	0.6	50.1	0.9	99.6	0.971	51.7	0.8	102.7	0.275	

¹ All p-values and % are relative to the 0 dose control group.

Table 11. ANOVA Results for Male Body Weight Ethinyl Estradiol

<i>PND¹</i>	<i>NumDF</i>	<i>DenDF</i>	<i>Fvalue</i>	<i>P value</i>
1	2	149	0.767	0.466
4	2	148	2.170	0.117
7	2	148	1.668	0.192
14	2	148	0.457	0.634
21	2	146	0.443	0.642

¹ Analysis was conducted separately at each PND with litter as the unit of analysis.

Table 12. Comparisons of Least Squares Means for Male Body Weight Ethinyl Estradiol¹

<i>Dose ($\mu\text{g}/\text{kg}_{\text{BW}}/\text{day}$)</i>										
<i>PND</i>	<i>0</i>		<i>0.05</i>				<i>0.5</i>			
	<i>Mean</i>	<i>SE</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>	<i>Mean</i>	<i>SE</i>	<i>Pct</i>	<i>P value</i>
1	7.3	0.1	7.1	0.1	97.2	0.410	7.3	0.1	99.9	0.998
4	11.5	0.2	10.9	0.2	94.7	0.078	11.4	0.2	99.0	0.883
7	17.0	0.2	16.2	0.4	95.4	0.130	16.7	0.3	98.4	0.696
14	32.4	0.4	31.9	0.6	98.4	0.690	32.6	0.5	100.6	0.943
21	53.1	0.7	53.5	1.0	100.9	0.908	54.1	0.8	101.9	0.560

¹ All p-values and % are relative to the 0 dose control group.