

**RESULTS OF VAGINAL CYTOLOGY STUDY USING TRANSITION MATRIX APPROACH**  
**Study R10997 Diisobutyl Phthalate, HSD Rats F1c Parental**

<b>STAGE</b>	<b>COMPARISON</b>	<b>P_VALUE</b>	<b>TREND</b>
Overall Tests	Overall	0.04	
Overall Tests	Low vs. Controls	0.026	N
Overall Tests	Mid vs. Controls	0.349	N
Overall Tests	High vs. Controls	0.154	N
Extended Estrus	Overall	0.001	
Extended Estrus	Low vs. Controls	0.003	N
Extended Estrus	Mid vs. Controls	0.097	N
Extended Estrus	High vs. Controls	0.021	N
Extended Diestrus	Overall	0.001	
Extended Diestrus	Low vs. Controls	0.234	
Extended Diestrus	Mid vs. Controls	0.004	
Extended Diestrus	High vs. Controls	0.007	
Extended Metestrus	Overall	0.986	
Extended Metestrus	Low vs. Controls	0.606	
Extended Metestrus	Mid vs. Controls	1	
Extended Metestrus	High vs. Controls	1	
Extended Proestrus	Overall	0.951	
Extended Proestrus	Low vs. Controls	0.79	N
Extended Proestrus	Mid vs. Controls	0.743	N
Extended Proestrus	High vs. Controls	0.759	N
Skipped Estrus	Overall	0.427	
Skipped Estrus	Low vs. Controls	0.479	N
Skipped Estrus	Mid vs. Controls	0.207	N
Skipped Estrus	High vs. Controls	0.407	N
Skipped Diestrus	Overall	0.055	
Skipped Diestrus	Low vs. Controls	0.258	N
Skipped Diestrus	Mid vs. Controls	0.074	N
Skipped Diestrus	High vs. Controls	0.078	N

*Note: N under trend indicates that the dosed group had fewer departures from normal than did the control group. Having no N under trend column indicates that the dosed group had more departures from normal than did the control group.*

### *Summary of Significant Groups*

<b>STAGE</b>	<b>COMPARISON</b>	<b>P_VALUE</b>	<b>TREND</b>
Overall Tests	Low vs. Controls	0.026	N
Extended Estrus	Low vs. Controls	0.003	N
Extended Estrus	High vs. Controls	0.021	N
Extended Diestrus	Mid vs. Controls	0.004	
Extended Diestrus	High vs. Controls	0.007	

*Note: N under trend indicates that the dosed group had fewer departures from normal than did the control group.  
Having no N under trend column indicates that the dosed group had more departures from normal than did the control group.*