

RESULTS OF VAGINAL CYTOLOGY STUDY USING TRANSITION MATRIX APPROACH
Summary of Female Rats, Study C04049, Perfluorononanoic Acid

STAGE	COMPARISON	P_VALUE	TREND
Overall Tests	Overall	<0.001	
Overall Tests	Low vs. Controls	0.001	N
Overall Tests	Mid vs. Controls	0.001	N
Overall Tests	High vs. Controls	0.026	N
Extended Estrus	Overall	0.312	
Extended Estrus	Low vs. Controls	0.624	N
Extended Estrus	Mid vs. Controls	0.469	N
Extended Estrus	High vs. Controls	0.098	N
Extended Diestrus	Overall	<0.001	
Extended Diestrus	Low vs. Controls	<0.001	N
Extended Diestrus	Mid vs. Controls	<0.001	
Extended Diestrus	High vs. Controls	0.192	
Extended Metestrus	Overall	0.985	
Extended Metestrus	Low vs. Controls	1	
Extended Metestrus	Mid vs. Controls	1	
Extended Metestrus	High vs. Controls	0.604	
Extended Proestrus	Overall	1	
Extended Proestrus	Low vs. Controls	1	
Extended Proestrus	Mid vs. Controls	1	
Extended Proestrus	High vs. Controls	1	

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

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STAGE	COMPARISON	P_VALUE	TREND
Skipped Estrus	Overall	1	
Skipped Estrus	Low vs. Controls	1	
Skipped Estrus	Mid vs. Controls	1	
Skipped Estrus	High vs. Controls	0.935	
Skipped Diestrus	Overall	1	
Skipped Diestrus	Low vs. Controls	1	
Skipped Diestrus	Mid vs. Controls	1	
Skipped Diestrus	High vs. Controls	1	

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

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Summary of Female Rats, Study C04049, Perfluorononanoic Acid
Summary of Significant Groups

STAGE	COMPARISON	P_VALUE	TREND
Overall Tests	Low vs. Controls	0.001	N
Overall Tests	Mid vs. Controls	0.001	N
Overall Tests	High vs. Controls	0.026	N
Extended Diestrus	Low vs. Controls	<0.001	N
Extended Diestrus	Mid vs. Controls	<0.001	

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