

RESULTS OF VAGINAL CYTOLOGY STUDY USING TRANSITION MATRIX APPROACH
Summary of Female HSD Rats, Study MOG002B, HMB All Cohorts
Control vs. Treatment Groups

STAGE	COMPARISON	P_VALUE	TREND
Overall Tests	Overall	<0.001	
Overall Tests	Low vs. Controls	0.362	
Overall Tests	Mid vs. Controls	0.006	
Overall Tests	High vs. Controls	0.001	
Extended Estrus	Overall	<0.001	
Extended Estrus	Low vs. Controls	0.975	
Extended Estrus	Mid vs. Controls	<0.001	
Extended Estrus	High vs. Controls	0.002	
Extended Diestrus	Overall	<0.001	
Extended Diestrus	Low vs. Controls	0.24	
Extended Diestrus	Mid vs. Controls	0.294	
Extended Diestrus	High vs. Controls	<0.001	N
Extended Metestrus	Overall	0.808	
Extended Metestrus	Low vs. Controls	0.367	
Extended Metestrus	Mid vs. Controls	1	
Extended Metestrus	High vs. Controls	0.606	
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 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.*

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STAGE	COMPARISON	P_VALUE	TREND
Skipped Estrus	Overall	0.002	
Skipped Estrus	Low vs. Controls	0.278	N
Skipped Estrus	Mid vs. Controls	0.004	N
Skipped Estrus	High vs. Controls	0.023	N
Skipped Diestrus	Overall	1	
Skipped Diestrus	Low vs. Controls	0.946	
Skipped Diestrus	Mid vs. Controls	0.974	
Skipped Diestrus	High vs. Controls	1	

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RESULTS OF VAGINAL CYTOLOGY STUDY USING TRANSITION MATRIX APPROACH
Summary of Female HSD Rats, Study MOG002B, HMB All Cohorts
Summary of Significant Groups -- Control vs. Treatment Groups

STAGE	COMPARISON	P_VALUE	TREND
Overall Tests	Mid vs. Controls	0.006	
Overall Tests	High vs. Controls	0.001	
Extended Estrus	Mid vs. Controls	<0.001	
Extended Estrus	High vs. Controls	0.002	
Extended Diestrus	High vs. Controls	<0.001	N
Skipped Estrus	Mid vs. Controls	0.004	N
Skipped Estrus	High vs. Controls	0.023	N

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RESULTS OF VAGINAL CYTOLOGY STUDY USING TRANSITION MATRIX APPROACH
Summary of Female HSD Rats, Study MOG002B, HMB All Cohorts
Control vs. Positive Control

STAGE	COMPARISON	P_VALUE	TREND
Overall Tests	Pos Ctrl vs. Control	0.116	
Extended Estrus	Pos Ctrl vs. Control	0.815	
Extended Diestrus	Pos Ctrl vs. Control	0.033	
Extended Metestrus	Pos Ctrl vs. Control	1	
Extended Proestrus	Pos Ctrl vs. Control	1	
Skipped Estrus	Pos Ctrl vs. Control	0.823	
Skipped Diestrus	Pos Ctrl vs. Control	1	

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Summary of Significant Groups -- Control vs. Positive Control

STAGE	COMPARISON	P_VALUE	TREND
Extended Diestrus	Pos Ctrl vs. Control	0.033	

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