

ASSESSMENT OF ACTION POTENTIAL DURATION (APD) IN CANINE CARDIAC PURKINJE FIBERS

STUDY DESIGN:

	Fibers
Vehicle Control	≥3
Low Concentration	≥3
Intermediate Concentration	≥3
High Concentration	≥3
Positive Control	≥3

TISSUES: Canine Purkinje Fibers

APPLICATION: By continuous perfusion

EVALUATION PROCEDURE: Intracellular electrophysiology techniques will be utilized to assess the ability of test article to affect cardiac action potential duration (APD) in canine cardiac Purkinje fibers measured at 0.5, 1.0, and 2.0 Hz stimulation rates at physiological temperature.

ENDPOINTS: Action potential duration in milliseconds and supplemental action potential morphology measurements

FORMULATION ANALYSIS: Standard samples collected

STATISTICAL ANALYSIS: Standard

FINAL REPORT: Standard GLP-compliant report for regulatory submission

To receive additional information about this study, please contact Dr. Jill Dalton at Jill.Dalton@mpiresearch.com or call 1-269-668-3336.

MP
RESEARCH