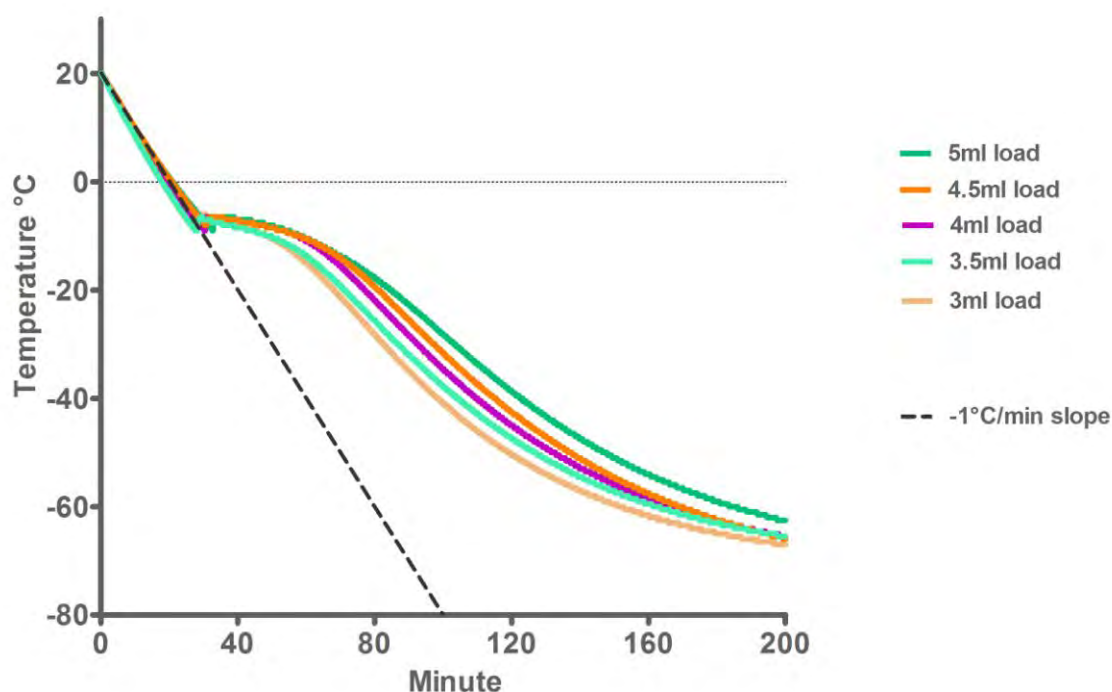


CoolCell® 5ml Performance Data

CoolCell 5ml is a large volume controlled-rate passive cell freezing container for cryopreservation of 12 5ml cryovials. In an attempt to capture the freezing profile consistency of the CoolCell 5ml with varying amounts of media from 3-5mls in the cryo vials, BioCision performed the following performance test.

Performance test: Beginning at room temperature, 5ml cryo vials containing varying amounts of freezing media from 3ml to 5ml were placed into a CoolCell 5ml and this unit was then placed directly into a -75°C freezer. Using a thermocouple temperature probe the temperature of the freezing media was recorded at 10 second intervals over a 3.5 hour period.

CoolCell® 5ml Thermal Profile



Conclusion: BioCision's rate controlled freezing module CoolCell 5ml provides consistent vial to vial freezing and fusion duration cycle after cycle, regardless of the volume of media in the 5ml cryo vial - showing highly reproducible controlled freezing rate of -1°C/min through until fusion.