

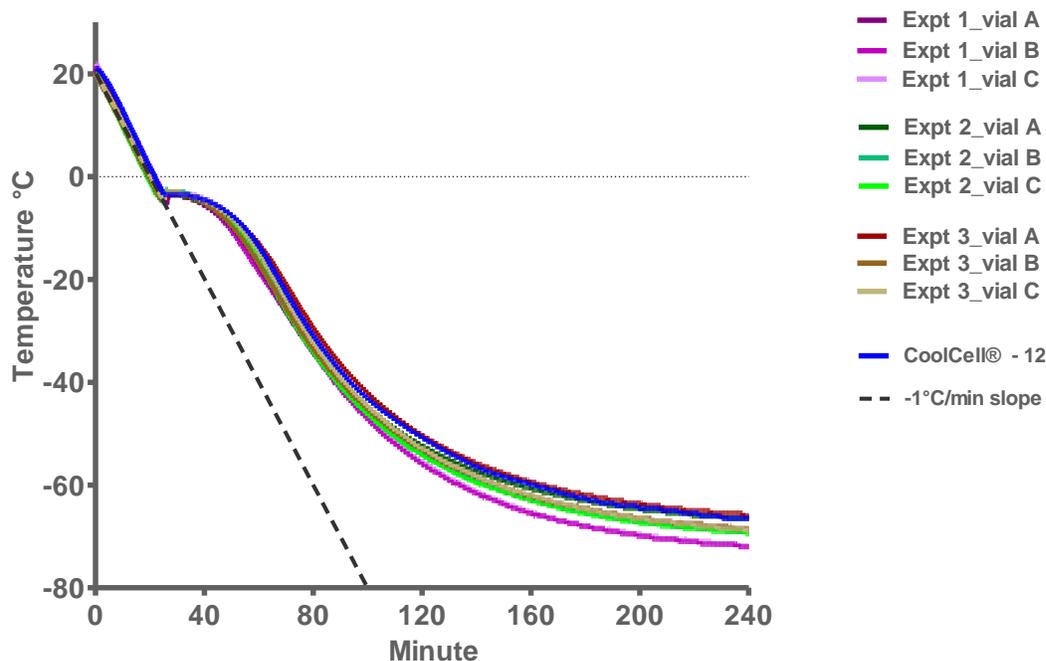


CoolCell® FTS30 Performance Data

CoolCell FTS30 is a high capacity controlled-rate passive cell freezing container for cryopreservation of 30 cryovials. In an attempt to capture the freezing profile consistency of the CoolCell FTS30 and compare with our smaller capacity freezing container CoolCell® 12, BioCision performed the following performance tests.

Performance test: A thermocouple temperature probe was placed into 3 separate 2ml cryovial tubes containing 1ml of freezing media. Beginning at room temperature, the tubes were placed into a CoolCell FTS30 at various locations in the FTS module. The CoolCell FTS30 was then placed directly into a -75°C freezer and the temperature of the freezing media was recorded at 10 second intervals over a 4 hour period. The experiment was repeated 3 consecutive times.

CoolCell® FTS30 Thermal Profile



Conclusion: BioCision's rate controlled freezing module CoolCell FTS30 provides consistent vial to vial freezing and fusion duration cycle after cycle. In addition, the freezing profile is identical to that obtained with the widely accepted CoolCell 12 which has become the gold standard for cell freezing in thousands of laboratories.