

Paragon

A.B.N 80 079 284 183

Scientific Pty Ltd

Cryoscope Flushing techniques

- **General:** To avoid build up of impurities in the circulation system, maximize fluid flow and thus heat transfer, Cryoscopes should be flushed each month with Paragon Anti-Bacterial Flushing agent. Cat. No. 7170. This preventative maintenance by the operator will reduce instrument down time and possibly extend the life of the Cooling system.

- **Advanced Instruments Model 4D3:**
 1. Remove the Cooling Fluid bottle and replace with a bottle of, PS 7170 (180ml bottle) Paragon Anti-Bacterial Flushing agent. Fit only the filter intake tube in the bottle. The return tube should be inserted into a waste container.
 2. Fit an empty sample tube into the freezing chamber.
 3. Activate the HEAD UP/DOWN option in the TEST menu. Run this test until the bottle is half empty (for approximately 5 to 10 minutes) to circulate the flush through the system.
 4. When the system is cleaned, Press STOP, then remove and discard the contents of the waste container.
 5. Fit a clean container of PS 7180 Cooling Fluid with only the filter tube into the Fluid. The return tube should be fitted to the waste container again.
 6. Repeat the HEAD UP/DOWN test until the fluid that returns into the waste container is pure. Or Until the Cooling fluid bottle is half emptied)
 7. STOP the test and refit the return tube into the Fluid container ready for normal use.

- **Circulation Bath Model Cryoscopes:**
 1. Drain the cooling system with a syringe.
 2. Replace with sufficient Paragon Anti-Bacterial Flush to allow normal circulation.
 3. Allow the flush to circulate in the system until the fluid is clear or for approximately 10 minutes.
 4. Then drain the flush completely and replace it with Paragon PS 7180 Cooling Fluid.
 5. The volume will be as determined by the manufacturer of your specific instrument.

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