

Fluids for use in the CoolMate™ System:

When using dry ice to cool the heat transfer fluid, CEM recommends the use of Galden HT-110. When using either dry ice or liquid nitrogen, CEM recommends the use of Galden HT-55. When ordering fluid, request the specific fluid by name.

NOTE: The fluid used in the CoolMate System must be microwave transparent (dielectric constant <2 at 25 °C), have a pour point below –100 °C, and a flash point above 150 °C. The viscosity of the fluid must be <6.5 cSt at the recommended reservoir temperature. Use of any fluid not meeting the above requirements voids the warranty. CEM recommends the use of Galden HT-55 fluid for reservoir temperatures down to –80 °C and Galden HT-110 fluid for reservoir temperatures down to –40 °C.

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