

Diluents for the Small Volume Module Plus

Below are the acceptable diluents for the Small Volume Module Plus. If your application requires a fluid not listed here, check with your local Coulter representative for the chemical compatibility.

Butanol	Methylene Chloride
Butanone	Mineral Oil*
Carbon Tetrachloride	Pentanes
Chloroform	Petroleum Ether
Ethanol	Polyethylene Glycol*
Ethylene Glycol*	Propanol
Glycerol*	Silicone Oil*
Heptanes	Toluene
Hexanes	Trichloroethane
Jet Fuels	Trichloroethylene
Kerosene	Water
Ketones	Weak acid and base solutions (pH 4-10)
Methanol	

*These fluids are highly viscous and result in a slower flow rate. Use only when diluted so that viscosity does not exceed 5 centipoises.

Note: Before changing from one diluent to another, make sure that the two fluids are miscible with one another. If the two fluids are not miscible, replace the current fluid with a suspension fluid with which they are both miscible and then change to the new suspension fluid. Mixing of immiscible fluids will form an emulsion that may be very difficult to remove from the system.

This is taken as an excerpt from the manual provided by Beckman Coulter with the LS230 Particle Size Analyzer