

VS Sheath

rev.4/25

CAT#:	TCR-SH001-250, TCR-SH001-1000
AMOUNT:	250 mL, 1000 mL
FORM:	Liquid
FORMULATION:	20X Concentrated, Preservative free
STERILITY:	0.22 µm Sterile filtered under sterile conditions
STORAGE CONDITIONS:	Room Temperature
SHIPPING:	Room Temperature
SHELF LIFE:	Stable for 12 months when stored and handled under proper conditions
DILUTION:	Dilute to 1 X concentration with Ultrapure water/ deionized water (Milli Q water)

APPLICATION:

VS Sheath is the delivery medium used to optimize alignment of cells into a single-file stream in the microfluidics compartments of VisionSort under normal, controlled operating conditions. VS Sheath fluid is stored and refilled in a steel-lined sheath tank located in the fluidics cart.

We recommended always beginning VisionSort startup with a full tank and filling the sheath tank the day before. Check the sheath tank fluid level before startup and refill the sheath tank when necessary (maintain the reservoir at 2.5 to 3 L full). The sheath fluid consumption rate is approximately 0.2 L/8 hrs. If sheath fluid runs out, the system will automatically stop and all data acquisition will cease. Refiling the sheath tank in the middle of an experiment may result in introduction of air bubbles or require recalibration of the cartridge.

Note: We do not recommend topping up old sheath fluid with fresh sheath. Instead, empty out all residual sheath fluid and fill up a fresh tank during instrument start up. Please make 1X Sheath about 3 days beforehand and pour gently into the sheath tank to avoid air bubbles.

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