

Cell Removal System (CRS)

The Cell Removal System (CRS) prototype allows the automated analysis of the liquid portion of a whole broth sample on various analyzers by removing the cells leaving only the cell-free permeate. This permeate is then transferred to another downstream device, such as the Gilson® GX-271 for retain or future processing. The CRS receives cell-containing sample from the MAST system and performs an automated hollow fiber filtration process through a disposable cassette. The lines are then flushed and purged dry between samples. The Cell Removal System's filter cassette performs for dozens of samples, then can easily be disposed and replaced.



FEATURES

- Provides automated sample filtration
- Effectively removes cells from 25 to 40 samples before change out of the cassette is required
- Automated flushing between samples eliminates sample carryover
- User friendly
- Extremely durable and robust
- Little to no maintenance required

SPECIFICATIONS

Product Characterization	Specification
Width	11.5 in (29.2 cm)
Height	12.5 in (31.8 cm)
Depth	15.5 in (39.4 cm)
Weight	42.1 lbs (19.1 kg)
Compressed Air	70-100 psi (4.8-6.9 bar)
AC Input Voltage	220/110 VAC
AC Input Frequency	50/60 Hz
AC Current Rating	0.25-0.5 A
Required Components	Connection to MAST System
	CRS Cassettes
	CRS Solution Supply Station