



# 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

