



Milliflex® Rapid AutoSpray Station

For the application of bioluminescent reagents onto membranes

An integral component in the Milliflex Rapid Microbiology Detection system, the AutoSpray Station facilitates the detection of microbial contamination reported in colony forming units (CFU), improving process control and product yield, and timely release to market. The Milliflex Rapid AutoSpray Station applies an equal volume of bioluminescent reagents across a membrane to detect living microorganisms. Detection results using the Milliflex Rapid system are obtained in approximately one-fourth the time of traditional microbial methods.

Consistent, Reproducible Performance

Using a proven, pre-set automated program, the AutoSpray Station ensures reproducible results, test after test. Reagent application is achieved using a back and forth sweeping motion of the filter holder under the calibrated glass nebulizer. The internal

self-priming micropump ensures that the precise volume of reagent is dispensed during each cycle. An internal compressor allows stand-alone operation, eliminating the need for additional equipment.

- ▶ *Consistent performance delivers reproducible results*
- ▶ *Automated operation for ease of use*
- ▶ *Two spray nebulizers per station for quick application of both reagents*
- ▶ *Used with the Milliflex Rapid Microbiology Detection system for detecting bacteria in approximately one-fourth the time of traditional methods*

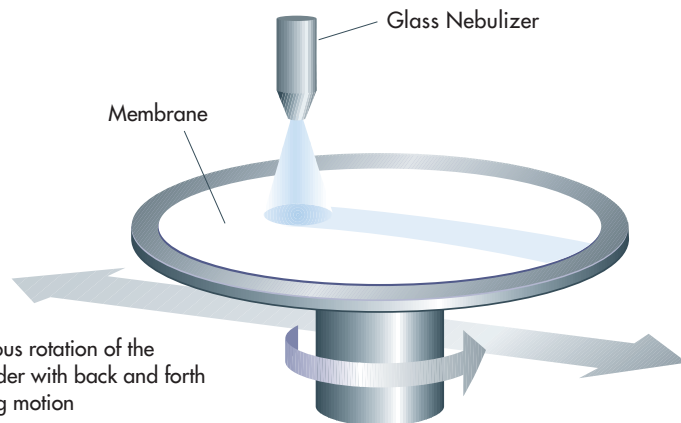


Figure 1. Reagent application with the AutoSpray Station.

Streamlined Operation

In automatic spray mode, the AutoSpray Station delivers both reagents in 90 seconds at the touch of a button.

AutoSpray in 90 Seconds

- 1 Filter holder moves under first glass nebulizer
- 2 First reagent is applied
- 3 Filter holder moves to dry position
- 4 Filter holder moves under second glass nebulizer
- 5 Second reagent is applied

From the control panel, analysts can easily initiate an operation by selecting from a list of operations.



Operation at the touch of the keypad.

Easy to Clean and Maintain

The AutoSpray Station issues a warning message across the control panel when calibration, cleaning or priming are required ensuring consistent, reliable performance throughout the lifetime of the system.

A self-cleaning unit, the AutoSpray Station is ready for re-use in five minutes. The unit should be recalibrated after every 5000 samples, or at least once a year.



Simple to install, the transparent reagent bottles allow analysts to see the level of reagent remaining.

Specifications

Dimensions and Weight

Width:	21 cm (8 in.)
Depth:	40 cm (16 in.)
Height:	31 cm (12 in.)
Weight:	10 kg (22 lb)

Materials of Construction

Turntable, pad holder, membrane holder:	316L stainless steel
Cover and casing:	polyurethane
Keypad:	polyester

Electrical

Power supply:	220 V, 50 Hz or 110 V, 60 Hz
Consumption:	30 W

Operational Requirements

Ambient temperature:	15 – 40 °C
Relative humidity:	< 90%
Altitude:	< 3000 m (9842 ft)

The AutoSpray station can be used under a laminar flow hood

Regulatory Information

The AutoSpray Station is compliant with Electromagnetic Compatibility Directive 89/336/EEC, and is CE marked.



A standard reagent kit as well as prefilled or empty cleaning and decontamination kits are available.

Ordering Information

Description	Qty/Pk	Catalogue No
Milliflex Rapid AutoSpray Station Includes: AutoSpray station, filter holder, pad holder, 2 needle assemblies with tubing and Millex® FG vent filter, 2 stainless steel caps and universal power supply adaptor	1	MXRP SPR KT
Milliflex Rapid Funnel, 0.45 µm membrane	24	RMHV MFX 24
Milliflex Rapid Reagent Kit <i>For 100 tests</i> ATP releasing agent, 2 bottles Bioluminescent reagent, 2 bottles Reconstitution buffer, sterile, 2 bottles 2 syringes, 5 Luer-Lok® caps, 6 vial adapters	1	MXRP BLR ST
Milliflex Rapid Cleaning/Decontamination Kit <i>For 20 cleanings, 2 decontaminations</i> Rinsing agent, 4 bottles Cleaning agent, 4 bottles Decontamination agent, 1 bottle 10 Luer-Lok caps, 9 vial adapters	1	MXRP CLK T1
Milliflex Rapid Cleaning/Decontamination Kit <i>Empty bottle</i> 4 empty bottles, 20 mL 5 empty bottles, 10 mL 10 Luer-Lok caps, 9 vial adapters	1	MXRP CLK T0
Accessories		
Filter holder	1	MXRP SPF H1
Pad holder	1	MXRP SPP H1
Pad dispenser with tube of 100 absorbent pads	2	AP10 045 S1
Glass nebulizer	1	MXRP GLA SS
Cover for vial holder	1	MXRP COV ER
Power supply 50/60 Hz	1	MXPP OWR 02
Vent filters, 25 mm Millex FG 0.20 µm, for nebulizer and dry station	50	SLFG 025 LS
Vent filters, 4 mm Millex FH 0.45 µm, for vial holders	100	SLFH R04 NL

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