

ALIQUOT STAR LINE

Let technology do the work



Free

System runs autonomously, independently, and makes your life easier



Safe

A team of technologies provides maximum process reliability for both users and samples



Fast

Faster results due to exponential time savings, as compared to manual processing

Clever Reliable Efficient

Let technology work for you! The Aliquot STAR Line workstations fully automate the cumbersome task of blood sample pre-processing and aliquoting, in order to positively impact turnaround times and increase confidence in results.

SAFETY FIRST

Independent pipetting channels eliminate the risk of cross-contamination, and when used with Hamilton's patented CO-RE® (Compressed O-Ring Expansion) tips, a precise lock-and-key fit ensures the highest degree of accuracy, precision, and reproducibility without splatter or aerosolization upon tip ejection. A variety of tube and stopper styles are compatible with the Aliquot STAR Line and are securely positioned to eliminate unintended movement or spills while enabling inversion mixing. The autoloader capability further enhances efficiency and protects against errors with end-to-end sample tracking, and downloadable run files may be integrated into your laboratory's LIMS system.



GET YOUR WORK DONE. TONIGHT

The Aliquot STAR Line workstations are the ideal starting point for your diagnostic workflow. Whole blood samples are scanned with a Barcode Reader. Cap Processing Channels (CPC) automatically decap primary sample tubes, and liquid handling channels mix and aspirate samples. Each aspirated sample is precisely dispensed into target tubes or plates for downstream assays. Cap Processing Channels automatically replace screw or rubber caps onto each primary and target tube. The target tubes may then be transferred off-deck for downstream processing.



"Transfer primary samples from tube-to-tube or from tube-to-plate - with the Aliquot STARline, my routine tasks have never been easier!"

- Reduced tedious work of tube un- and re-capping and sample processing
- Flexibility concerning sample tubes to be processed
- Protect users from contact with potentially hazardous blood samples
- Increased reliability and quality
- Automated tracking of samples via barcode scanning
- Optimized time - Maximize walk-away time, minimize hands-on time

Specifications

Physical Dimensions STARlet

Width	112.4 cm
Depth	78.1 cm
Height	90.3 cm
Weight	approx. 170 kg

Physical Dimensions STAR

Width	166.4 cm
Depth	78.1 cm
Height	90.3 cm
Weight	approx. 210 kg

Operating Conditions

Temperature Range	15 – 35°C
Relative Humidity	15% – 85% with no condensation
Altitude	up to 2000 m above sea level
Electrical Power Requirements	110 – 230V AC 50/60Hz +-5%

Pipetting Channels

Tip Size	Precision CV (%)
1000 µL	100 µL Volume ([R] 2%; CV 0.75%)
5000 µL	2000 µL Volume ([R]) 1%; CV 0.5%)

Configurations

Instrument	Description
Aliquot STARlet	1,2 or 4 Cap Processing (CPC) and Pipetting Channels each, flexible number of Aliquot carriers, flexible deck layout
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Required Consumables

Labware	Part Number	Manufacturer
Hamilton 1000 µL CO-RE Filter tips	235905	Hamilton Bonaduz AG
Hamilton 5000 µL CO-RE Filter tips	184020	Hamilton Bonaduz AG
Biohazard waste bags	53686-01	Hamilton Bonaduz AG

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To find a representative in your area, please visit:

www.hamiltoncompany.com/contact
Email: infoservice@hamiltonrobotics.com

United States
+1-775-858-3000
United Kingdom, Ireland
+44 121 272 92 80
Brazil
+55 11 95914 5000
China
+86 21 6164 6567

Denmark, Norway, Sweden, Finland
+46 8410 27 373
France
+33 184 008 420
Germany, Austria, Switzerland
+49 89 248 804 804

Benelux
+31 40 209 178 0
Italy
+39 039 930 06 06
Japan
+81 3 6435 6850
Spain, Portugal
+34 930 186 262

