

HAMILTON

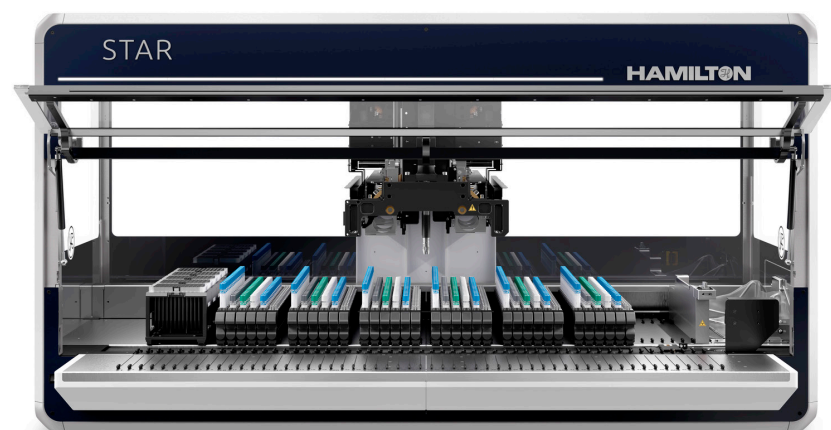
Aliquot STAR Line

Automate. Integrate. Elevate.



Stop twisting tubes. Start unlocking discoveries.

Tired of manually decapping blood sample tubes? Say goodbye to repetitive strain, slow turnaround times, and contamination risks. Hamilton's Aliquot STAR Line automates sample pre-processing from the very beginning, improving accuracy, consistency, and efficiency without sacrificing deck space.



Automate.

With dedicated VacuTube channels, the Aliquot STAR Line allows you to fully automate decapping and recapping for various types of primary and secondary sample tubes.

Integrate.

From analytical chemistry to genomics and biobanking, the Aliquot STAR Line is the ideal starting point for your application, seamlessly integrating into a wide range of downstream workflows without requiring extra deck space.

Elevate.

The seamless integration of automated decapping enhances safety for operators, reduces manual handling, and streamlines entire workflows for faster, more efficient, and reproducible results. Make the most out of your liquid handler with the Aliquot STAR Line's VacuTube channels.

Automation starts with Aliquot.



Set yourself up for success:

Automating sample pre-processing eliminates user error and builds the foundation for delivering consistent and reproducible results. With the Aliquot STAR Line, you ensure every sample is handled safely, accurately, and with full traceability.



Your safety is our priority:

The Aliquot STAR Line keeps you and your samples safe with proven Hamilton innovations like CO-RE pipetting technology for aerosol-free pipetting, autoloader with barcode tracking, and seamless LIMS integration.



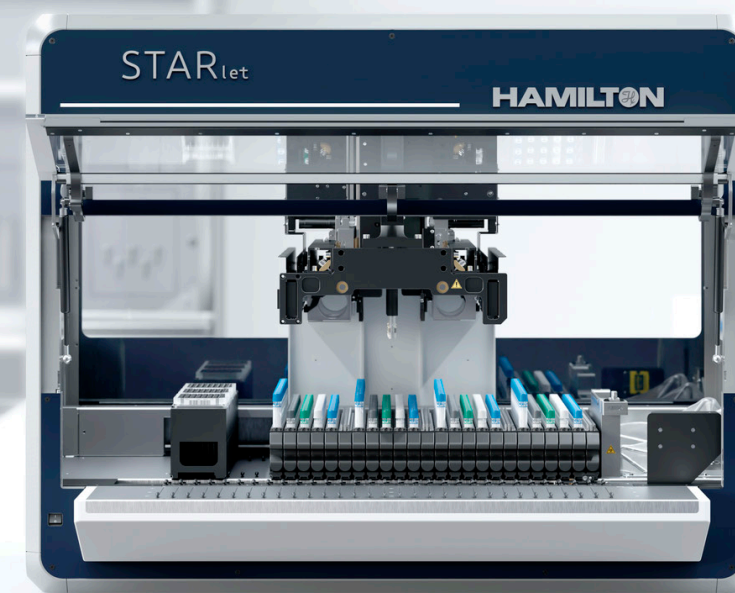
Flexible sample tube options:

Easily adapt to your lab's needs with two versatile sample carriers designed for 13 mm or 16 mm diameter vacuum tubes. Each carrier features interchangeable inserts—securely holding either tubes or caps to keep your workflow flexible and efficient.



Endless possibilities:

Available on both the space-saving Microlab STARlet platform and the versatile Microlab STAR, the Aliquot STAR Line's VacuTube channels and dedicated sample carriers can be combined with a wide variety of other deck components to create the exact automation solution you need.



Specification

Physical Dimensions			Compatible tubes (general specifications)	
Parameter	Microlab STARlet	Microlab STAR	Description	
Width			Aliquot carrier for small tubes: 13 mm diameter, 75-100 mm height	
without Multi-Probe Head	1124 mm	1664 mm		
with Multi-Probe Head	1387 mm	1927 mm	Aliquot carrier for large tubes: 16 mm diameter, 75-100 mm height	
Height	903 mm	903 mm	Please contact your Hamilton representative to request information on specific tube types that are compatible with the Aliquot STAR Line.	
Depth				
Manual Load	781 mm	781 mm		
Autoload	1011 mm	1011 mm		
Weight (8 Pipetting Channels)				
without Multi-Probe Head	135 kg	145 kg		
with Multi-Probe Head	150 kg	160 kg		
Noise Level	< 65 dBA < 46 dBA in standby mode (according to EN 27779)			
Configurations				
Instrument	Description			
Aliquot STAR / Aliquot STARlet	1, 2, or 4 VacuTube Channels and pipetting channels each, flexible number of aliquot carriers for tubes or caps, flexible deck layout.			
Deck Parameters				
Parameter	Microlab STARlet		Microlab STAR	
Deck Capacity	30 Tracks (T)		54 Tracks (T)	
Modal Precision	x-y-z positional accuracy of 0.1 mm			
Tip Sizes	From 10 µL to 5000 µL For detailed information on the tip size gradiations, contact your local Hamilton representative			
Ambient Conditions				
Parameter	Operation		Storage	Transportation
Temperature	+ 15°C - + 35°C		- 25°C - + 70° C	- 25°C - + 70° C
Relative Humidity	15% - 85% (non-condensing)		10% - 90% (non-condensing)	10% - 90% (non-condensing)
Overvoltage Category	II		II	II
Pollution Degree	2		2	2
Altitude	up to 2000 m/6561 ft. above sea level			

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