HAMILTON

STAR ProEx

Discover the world of protein biomarkers



- Standardize protocols reduce the manual sample preparation bias
- Increase throughput
- Reach data integrity and quality through automated processes

Automate your proteomics research

Scale up your sample analysis

Proteomics studies become more and more important when it comes to understanding diseases and drug development. The correlation between proteome expression and physiological changes related to a healthy or diseased condition and drug mechanism can describe disease mechanisms and side effects. Also these studies can help to find new diagnostic markers and identify potential therapeutic targets. Combining Olinks PEA technology with Hamiltons precise and fast liquid handling technology.

High-Throughput Proteomics with The STAR ProEx

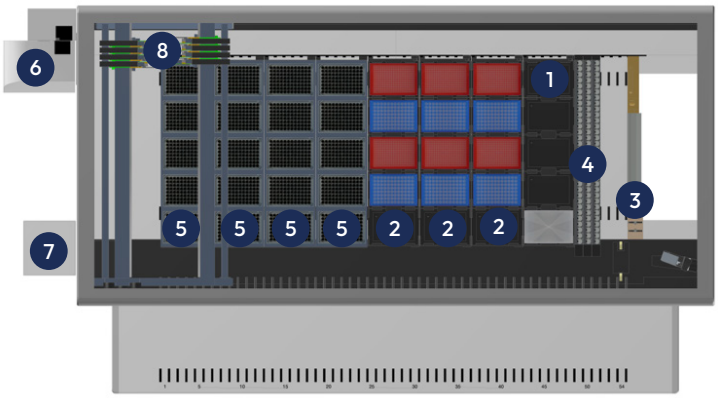
Take your first steps into high-throughput proteomics, analyzing thousands of proteins simultaneously with exceptional specificity and scalability, enabling advanced disease research and biomarker discovery. Reach an increased repeatability and reproducibility through the automated pooling workflow on the STAR ProEx.

Fast, Reliable, Standardized

To deal with lots of potential biomarkers, pooling is key to save money and time during proteomics research by enabling multiple samples to be simultaneously screened. With the STAR ProEx, Hamilton offers a ready to use instrument designed to meet your proteomics research needs and bring your proteomics research to the next level.



Specifications



Deck Layout
STAR ProEx

1. Precision Tab Plate Carrier Deep Well Plate
2. Precision Tab Plate Carrier Microtiter Plate
3. CO-RE II Gripper 1000 µL on Waste Block
4. Sample Tube Carrier with and without 1,5 mL Eppendorf inserts
5. CO-RE II Tips
6. 96 Multi-Probe Head
7. 96 Multi-Probe Head Waste
8. 8x CO-RE II 1000 µL Channels

Ordering Information	Instrument
PN	
806735	STAR ProEx

Pipetting Channels
Description
CO-RE II Technology
Independent Channels
capacitive Liquid Level Detection (cLLD)
pressure Liquid Level Detection (pLLD)
Tip Type Detection

Pipetting Volumes	
Description	
50 µL	1 µL Volumen ([R] 5%; CV 4%)

Physical Dimensions	
Description	**STAR ProEx**
Width	166.5 cm
Depth	100.5 cm
Height	90.3 cm
Weight	160 kg

System Specification	
Description	**STAR ProEx**
Temperature Range	+15 °C - + 35 °C
Relative Humidity	30% -85% (non condensing, indoors)
Altitude	Maximum 2000 meters above sea level
Maximum Power Consumption	600 VA
Noise Level	< 65 dBA (regarding EN27779) <46 dBA in standby mode

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