



 **myra+**

Automated qPCR System

Sample | Setup | Analysis | Result



Automated qPCR System

Combining next generation qPCR technology with state of the art liquid handling hardware. The Myra+ is an automated molecular instrument ideal for any lab or researcher.

Sample to Answer



Sample Prep

Myra+ is equipped to handle your sample preparation needs, whether you're using standard magnetic-based extraction methods or going directly to PCR.

The device is versatile enough to process various sample formats. For samples that include swabs, Myra+ is uniquely designed to prevent collisions by automatically pushing the swab aside, ensuring smooth operation.

V-caps

Our proprietary V-cap tubes simplify the process of loading qPCR reactions directly into the on-deck Mic cycler. The design uses centrifugal force to push the liquid through an aperture in the cap and into the tube, beneath the pre-filled oil, ensuring efficient and accurate sample processing.

Open Platform

There's no need to be confined to costly micro-fluidic cartridges. Experience flexibility with your assays and protocols with Myra+.

Features include:

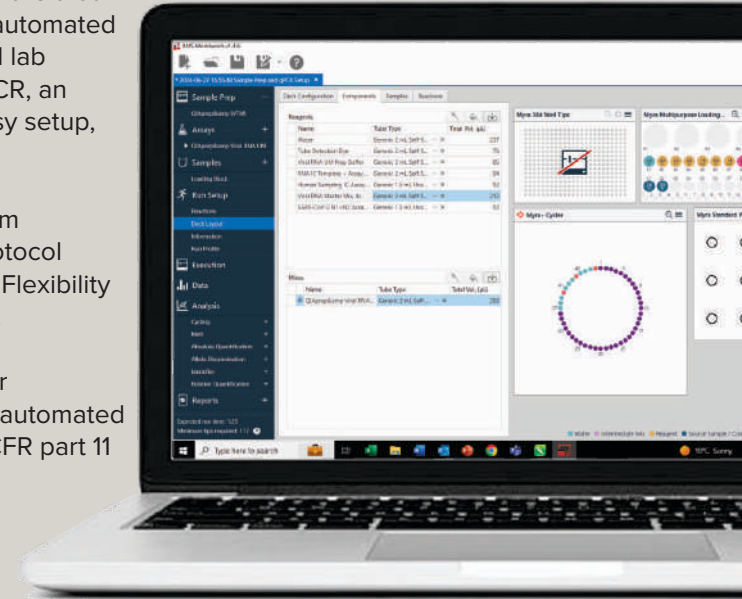
- Vortex mixing
- Multi-tube aspiration
- Film piercing
- Extensive consumable library
- Lyophilized reagent compatible

Intuitive Software

The Myra+ boasts software that stands out from other automated platforms. For standard lab operations such as qPCR, an intuitive UI enables easy setup, running, and analysis.

Create your own custom protocols using our protocol development function. Flexibility without the complexity.

LIMS compatibility, user permission levels, and automated analysis functions. 21 CFR part 11 compliant.



qPCR Runs

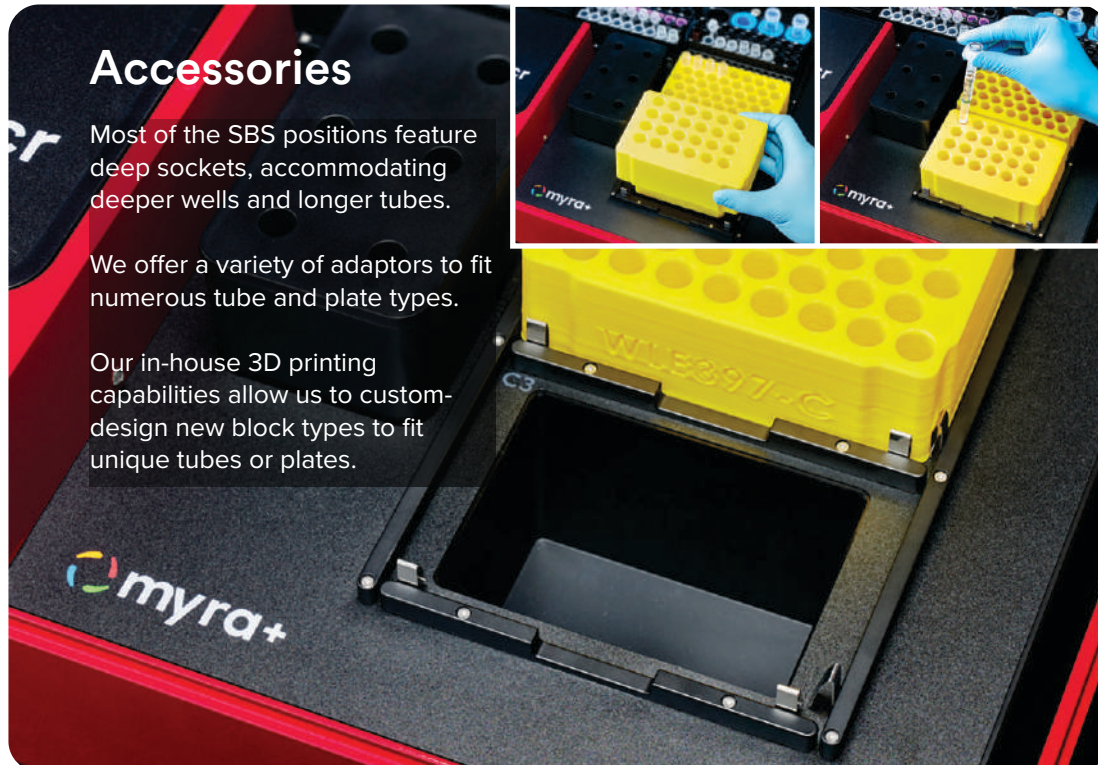
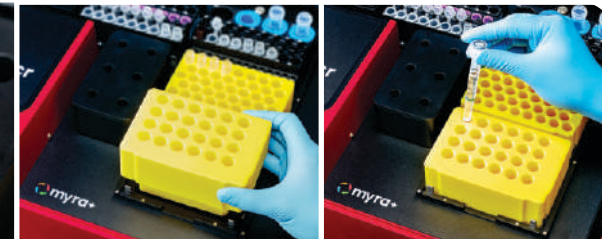
Samples and reactions are loaded directly into the V-cap tubes within the on-deck Mic qPCR cycler. The system is designed to monitor for the presence of tubes and prevent the loading of tubes that might contain the previous run reactions, thereby avoiding contamination issues.

Accessories

Most of the SBS positions feature deep sockets, accommodating deeper wells and longer tubes.

We offer a variety of adaptors to fit numerous tube and plate types.

Our in-house 3D printing capabilities allow us to custom-design new block types to fit unique tubes or plates.



Specifications



18 kg



Closed loop, 100 μ m resolution
Pressure sensing
High precision camera
Single or multi-dispense

Pipette

Volume 1 - 50 μ L
Tips per rack 384
Precision 1 μ L 5% CV
5 - 50 μ L 1% CV
Accuracy 1 μ L < 10%
5 - 50 μ L 1%

Thermal Performance

Temp. accuracy $\pm 0.25^{\circ}\text{C}$
Temp. uniformity $\pm 0.10^{\circ}\text{C}$
Sample ramp rates Heating: 4°C/s
Cooling: 3°C/s
Temperature range 35 - 99°C (40°C min when cycling)

Communication Connection type USB 2.0
Min. PC requirements Intel Core i5 or equivalent
8 GB RAM, 1 GB disk space
1366 x 768 display

Contamination control

Tip disposal Internal enclosed waste tub
UV decontamination High intensity 70 mW
280 nm UV LED
HEPA air filtration 99.98% at 0.3 μ m

Optical

Detectors 4x Photodiode
Excitation sources 4x High energy LED
Acquisition time 1 s

Environment Temperature range 18 - 30°C
Humidity range 20 - 80%

Reaction Vessels

Samples per instrument 48
Reaction volume 5 - 25 μ L

Designed and manufactured in Australia by



Scan to Learn More

Head Office

5 - 7 Tonka St.
Yatala QLD 4207
AUSTRALIA

Sales & Support

Ste 504, 24-30 Springfield Ave.
Potts Point NSW 2011
AUSTRALIA

UK Sales

22 Chancery Ln.
London WC2A 1LS
UNITED KINGDOM
uksales@

USA Sales

Ste 314, 157A 1st St.
Jersey City NJ 07302
UNITED STATES
usasales@