

Specifications

The UltraPlex Alliance™ consists of the MT-Prep™ XL for sample purification and the UltraPlex Jump for automated MT-PCR processing.

MT-Prep™ XL – Sample Purification

Processing capacity	1 – 96 samples per run
Throughput / 24hrs	Up to 1,824 samples¹
Processing time	1 hr 15 mins (including sample aliquoting)¹
Sample volume	100 – 300 µL
Elution volume	50 – 200 µL
Dimensions	W 135.9 x D 79 x H 88.9 cm (H 130 cm with door open)
Weight	136 kg
Protocols	Preinstalled
Power supply	110 – 240 VAC, 50/60 Hz

UltraPlex Jump system – MT-PCR Processor

Inclusions	1 x UltraPlex Jump Processor 2 x MT-Analysers²	
Processing capacity	1 – 96 samples per run	
Throughput / 24 hrs	Up to 1,248 samples³	
Processing time	3 hrs⁴	
Hands-on time	10 mins	
Sample volume	10 µL	
Dimensions	Processor	W 145 x D 78 x H 108 cm (H 155 cm including tip disposal)
	Analyser	W 21 x D 54 x H 54 cm per analyser
Weight	Processor	144.5 kg
	Analyser	27 kg per analyser
Protocols	Preinstalled	
Power supply	110 – 240 VAC, 50/60 Hz	

¹ Based on Puryx® Comprehensive DNA / RNA Extraction Kit for sample purification from primary samples only (excludes MT-PCR).

² 2 x Analysers: 96 samples for 8-well panels, 96 samples for 12-well panels, 24 samples for 24-well panels.

³ Based on 8-well universal TandemPlex® panel for MT-PCR only (excluding sample purification).

⁴ Includes 3 minute bleaching protocol, excludes sample purification.

Ordering Information

MT-Prep™ XL

Instruments & Components	
93600	MT-Prep™ XL
93615	MT-Prep™ XL Reagent Trough, 60 mL
93614	MT-Prep™ XL Small Tube Carrier 12-13 mm
93613	MT-Prep™ XL Large Tube Carrier 15-17 mm
Reagents & Consumables	
93609	MT-Prep™ XL 1000 µL Black Conductive, Filter, Non-Sterile tips
93606	MT-Prep™ XL 96 Tip Comb for DW magnets, 100 pcs
93605	MT-Prep™ XL Deep Well 96 Plate, 50 pcs
93610	Puryx® Comprehensive DNA / RNA Extraction Kit
91401	Extraction Control (100 µL)

For all TandemPlex® panels and relevant supporting reagents, visit www.ausdiagnostics.com.

Contact us now to schedule a demonstration.

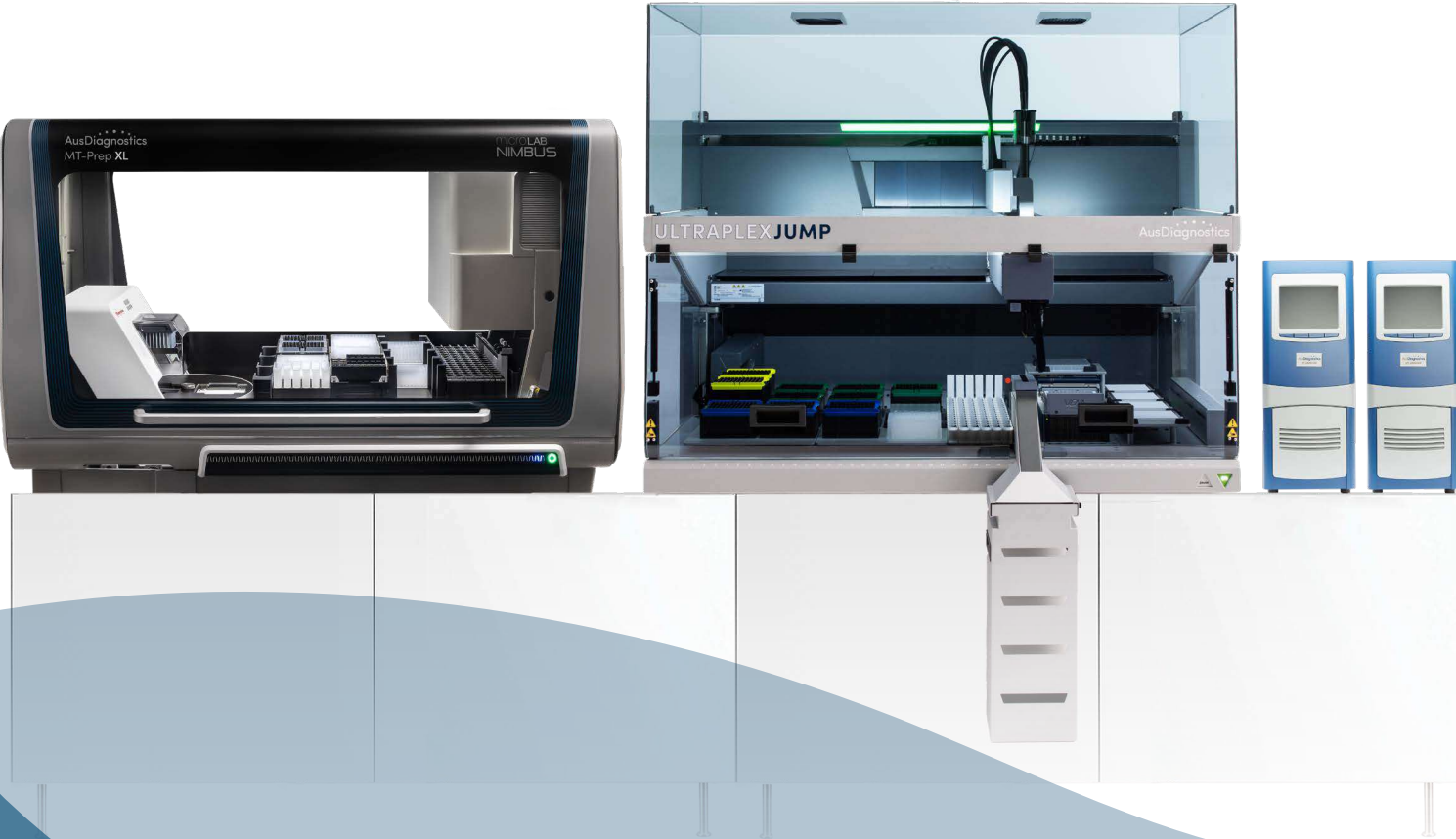
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UltraPlex Alliance™

Aligning high-throughput automation
for highly multiplexed diagnostics

UltraPlex Alliance™

Aligning reliable automation for your next high-throughput workflow

The UltraPlex Alliance™ combines the MT-Prep™ XL for sample purification and the UltraPlex Jump for automated MT-PCR processing.

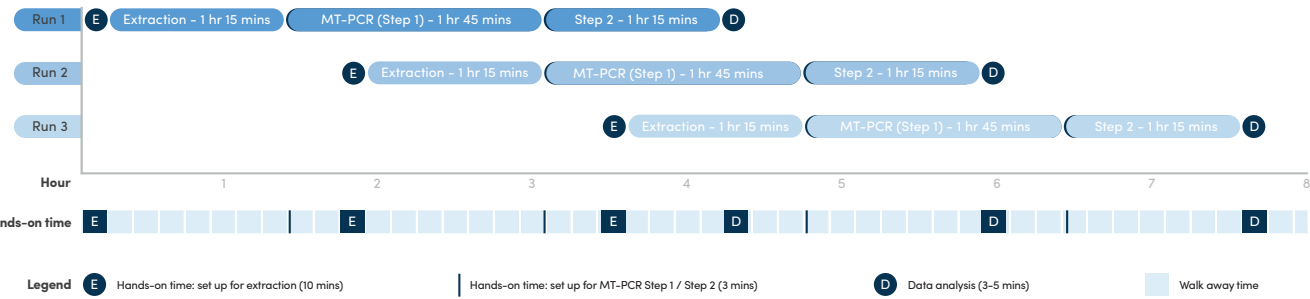


Total processing time¹ Extraction: 1 hr 15 mins / MT-PCR: 3 hrs
Total hands-on time 20 mins²
Samples / run up to 96 samples
Throughput / 24 hrs up to 960 samples³

¹ Based on use of Puryx® Comprehensive DNA / RNA Extraction Kit on the MT-Prep™ XL and 8-well TandemPlex® universal panel on the UltraPlex Jump.
² Includes setup times for the MT-Prep™ XL and UltraPlex Jump.
³ Starting with unpurified samples, one UltraPlex Alliance™ setup can provide results for up to 960 samples within 24 hrs.

UltraPlex Alliance™ Workflow

4 hrs 15 mins total processing time

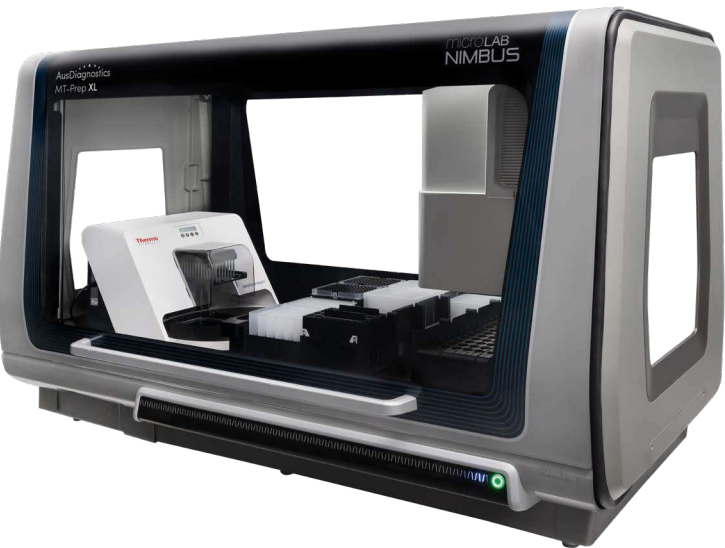


MT-Prep™ XL

For traceable, high-throughput sample extraction

- Minimise error with end-to-end automation including sample aliquoting
- Achieve sample purification for up to 96 samples in 1 hr 15 mins*
- Automatic scanning of all sample tubes ensures intersystem traceability
- Extract DNA and RNA in the same run*
- All required reagents packaged in one box*

* Based on sample purification of 96 samples using the Puryx® Comprehensive DNA / RNA Extraction Kit.



Efficient parallel processing

A dual-position turntable allows simultaneous processing of one plate with the magnetic head while another plate is prepared and transported in readiness for subsequent processing. This parallel processing capability results in optimal throughput.



Aligned technology for unmatched purification capability

Combining advanced liquid handling robotics and proven magnetic particle-based technology, the MT-Prep™ XL delivers reliable high-throughput, quality nucleic acid extraction in high-purity.

UltraPlex Jump

For highly multiplexed diagnostics

- Automated MT-PCR setup and real-time PCR analysis
- Process up to 96 samples in 3 hrs —from sample extracts to real-time PCR results
- 8-channel pipetting for maximum efficiency
- 384-well real-time thermocycler for high-throughput
- Less than 10 minutes hands-on time
- Automation for TandemPlex® panels



Extraction-free mode

The UltraPlex Jump gives you the flexibility to pivot to an extraction-free workflow. This accelerated workflow is suitable for many popular Gastrointestinal, Sexual Health & Dermatology, and Women's Health TandemPlex® panels.

Diagnostic areas

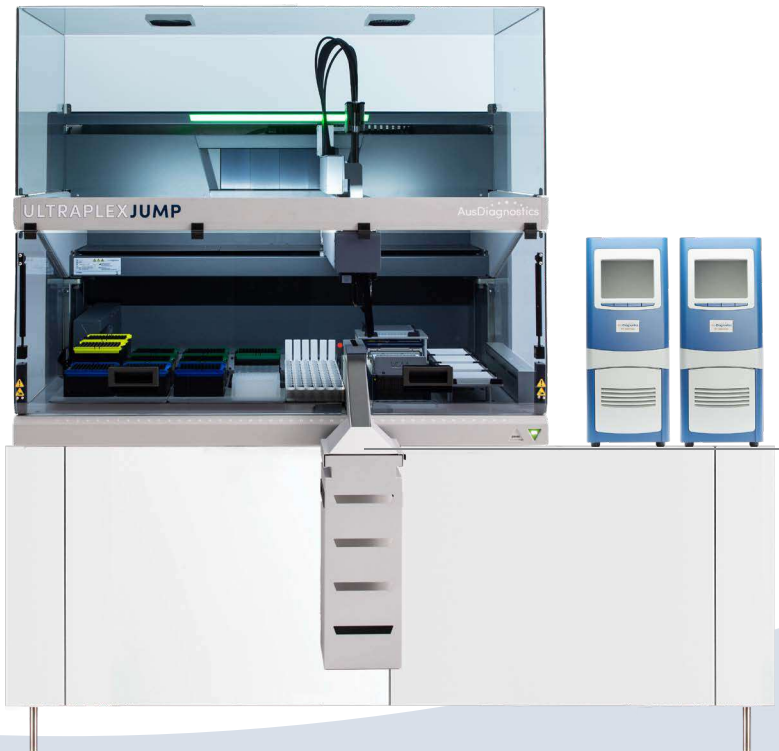
Detect up to 40 gene targets* simultaneously with TandemPlex® panels available in a range of diagnostic areas.

- Gastrointestinal
- Hospital Care & Drug Resistance
- Respiratory Pathogens
- Sexual Health & Dermatology
- Urinary Tract Infections
- Women's Health
- Applied Testing
- Genetic Disorders
- Veterinary

* Up to 40 gene targets in 24-well panels.

Primary sample tubes

In extraction-free mode, the UltraPlex Jump performs automatic barcode scanning as you insert primary sample tubes, ensuring traceable results and minimal hands-on time.



Interactive
Virtual Lab