

SPECIFICATIONS

The Highplex Alliance™ consists of the MT-Prep™ 24 for sample purification and the Highplex system for automated processing of TandemPlex® MT-PCR panels.

MT-Prep™ 24 – Sample Purification

Dimensions	W 91.5 x D 66.5 x H 61.0 cm
Weight	99 kg
Processing capacity	1 – 24 samples per run
Throughput / 24hrs	Up to 576 samples
Processing time	55 mins (excluding manual sample aliquoting) ¹
Sample volume	100 – 1,000 µL
Elution volume	50 – 200 µL
Protocols	Preinstalled
Power supply	100 – 240 VAC, 50/60 Hz, 5 A

Highplex – MT-PCR

Inclusions	1 x Processor 1 x MT-Analyser	
Dimensions	Processor	W 49 x D 58 x H 39 cm (H 77 cm with hood open)
	Analyser	W 21 x D 54 x H 54 cm
Weight	Processor	30 kg
	Analyser	27 kg
Processing capacity	1 – 24 samples per run	
Throughput / 24 hrs	Up to 288 samples ²	
Processing time	3 hrs 20 mins ³	
Hands-on time	10 mins	
Sample volume	10 µL	
Protocols	Preinstalled	
Power supply	100 – 240 VAC, 50/60 Hz	

¹ Based on MT-Prep™ 24 Viral/Pathogen Extraction Kit.

² Based on 8-well TandemPlex® panel used on extracted samples. Does not include sample purification time.

³ Includes 3 minute bleaching protocol, excludes sample purification.

ORDERING INFORMATION

MT-Prep™ 24

Instruments & Components	
93100	MT-Prep™ 24
Reagents & Consumables	
93010	MT-Prep™ Viral/Pathogen Extraction Kit B
91401	Extraction Control (100 µL)

Highplex

Instruments & Components	
91501	Highplex
Reagents & Consumables	
40341	Demi RNA Reagent Cassette
40241	Demi DNA Reagent Cassette
40331	Low RNA Reagent Cassette
40231	Low DNA Reagent Cassette
90201	Sealing films for MT-PCR assay plates (100)
90020	Pack of 6 dilution plates, foil sealed
91503	Bleach tubes (100) for Highplex
91502	Tip disposal bags (100) for Highplex

Contact us now to schedule a demonstration.

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TandemPlex® Panels

Universal Panels	
80081	SARS-CoV-2, Influenza and RSV 8-well
80617	Respiratory Pathogens 24-well
80618	Respiratory Pathogens 12-well
84115	Dermatophytes and other Fungi 12-well
87024	CSF 24-well (coming soon)
87095	Viral and Syphilis 12-well
87123	Urinogenital and Resistance 12-well
87124	Vaginitis and Vaginosis 12-well
Highplex Panels	
20082	SARS-CoV-2 Typing 16-well (RUO)
20620	Respiratory Pathogens 16-well
20631	Pneumonia 16-well
25039	Faecal Pathogens M 16-well
25041	Faecal Bacteria and Parasites 12-well
21098	CRE 16-well

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



AusDiagnostics Pty Ltd
290-292 Coward St
Mascot NSW 2020
Australia
T: +61 2 9698 8030

AusDiagnostics NZ Ltd
B/11 Paul Matthews Rd
Rosedale Auckland 0632
New Zealand
T: +64 (9) 886 9717

AusDiagnostics UK Ltd
Unit 3, Anglo Business Park
Asheridge Rd
Chesham, Bucks, HP5 2QA
United Kingdom
T: +44 (0) 1494 300 121

AusDiagnostics USA Inc
Building 2
1367 Brumlow Ave
Southlake TX 76092
USA
T: +1 817-912-1448

www.ausdiagnostics.com



Highplex Alliance™

MT-Prep™ 24

Highplex

Aligning reliable automation for
your next flexible-throughput workflow

HIGHPLEX ALLIANCE™

Aligning reliable automation for your next versatile workflow

The Highplex Alliance™ combines the MT-Prep™ 24 for sample purification and the flagship Highplex system for automated highly multiplexed PCR processing.



Total processing time¹ Extraction: 55 mins / MT-PCR: 3 hrs 20 mins
Total hands-on time 20 mins²
Samples / run up to 24 samples
Throughput / 24 hrs up to 288 samples³

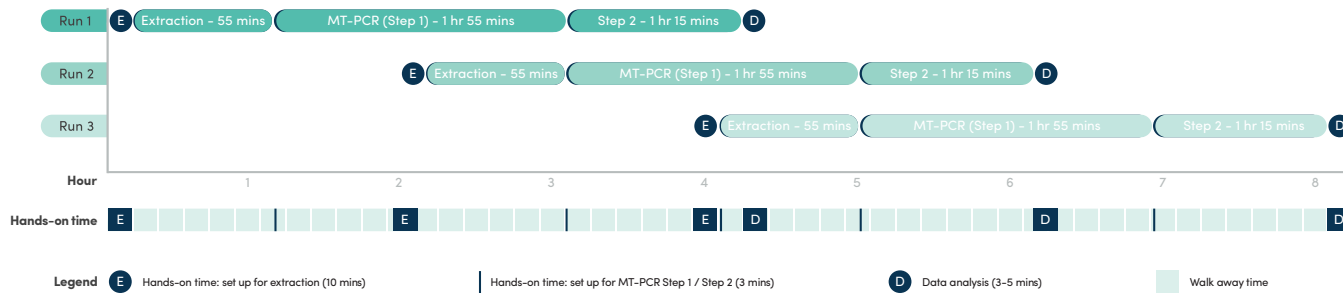
¹Timings are based on use of MT-Prep™ Viral/Pathogen Extraction Kit on the MT-Prep™ 24 and 8-well TandemPlex® universal panel on the Highplex.

² Includes setup times for the MT-Prep™ 24 and Highplex.

³ Starting with unpurified samples, one Highplex Alliance™ setup can provide results for up to 288 samples within 24 hrs.

Highplex Alliance™ Workflow

4 hrs 15 mins total processing time



MT-PREP™ 24

For flexible sample extraction

- Purify between 1 to 24 samples without consumable wastage
- Achieve sample purification for up to 24 samples in 55 mins*
- Extract DNA and RNA in the same run*
- All reagents and plasticware conveniently included in the box
- Sample and reagent traceability
- Minimum maintenance required

* Based on sample purification of 24 samples using MT-Prep™ Viral/Pathogen Extraction Kit.



Maximum convenience and versatility

Pre-filled reagent cassettes and reaction chambers are merged for quick and easy setup, whilst sample racks can be easily removed to also serve as convenient carriers. With ready-to-use reagents, achieve high quality sample purification with maximum convenience.



Uniquely designed for better performance

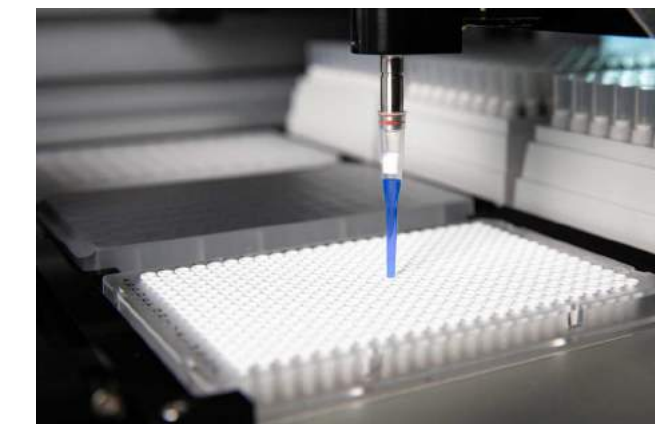
With robust liquid handling technology, the MT-Prep™ 24 is engineered with advanced motor controls and features a unique reaction chamber design delivering unrivalled mixing ability. Minimal maintenance is required to provide maximum productivity.



HIGHPLEX

For highly multiplexed diagnostics

- Automated MT-PCR setup and real-time PCR analysis
- Process up to 24 samples in 3 hrs 20 mins – from sample extracts to real-time PCR results
- Just 10 minutes total hands-on time
- Automatic results calling
- Automation for TandemPlex® panels



Dependable automation for high quality results

The Highplex flagship robotic system is a reliable everyday solution for laboratories with medium throughput needs. Known for its dependability and consistency, depend on the Highplex to deliver accurate results for everyday molecular diagnostic needs.

Diagnostic areas

Detect up to 30 gene targets* simultaneously with the universal TandemPlex® panels available in a range of diagnostic areas.

- SARS-CoV-2
- Respiratory Pathogens
- Enteric Pathogens
- Urinogenital Infections
- Critical Testing & Drug Resistance
- Encephalitis & Meningitis, Herpes
- Dermatophytes & Other Fungi
- HPV
- Genetic Disorders
- Animal diagnostics
- Applied Testing

* Up to 30 gene targets in 24-well panels.

Built for efficiency

With a small footprint requiring less than 1 m of benchspace, the Highplex is built for flexibility. Simple set up can be completed in just 2 minutes and results for up to 24 sample extracts can be achieved in 3 hrs 20 mins.

