



AusDiagnostics



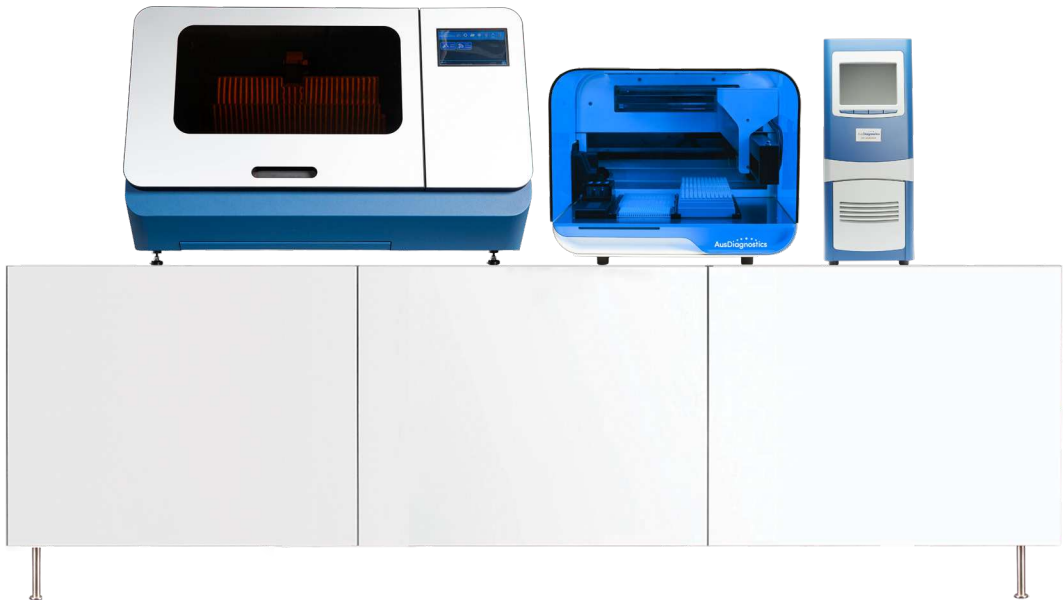
HighPlex Alliance™

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 Ascend for automated, highly-multiplexed PCR processing.

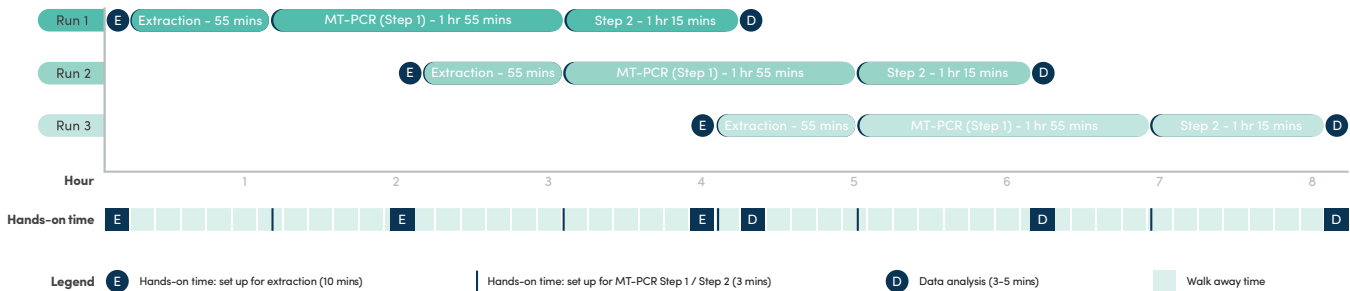


Total processing time¹ Extraction: 35 – 55 mins² / MT-PCR: 3 – 3.5 hrs
Total hands-on time 20 mins³
Samples / run up to 24 samples
Throughput / 24 hrs up to 288 samples⁴

¹ Timings 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 Ascend.
² 35-minute protocol available for rapid SARS-CoV-2 screening.
³ Includes setup times for the MT-Prep™ 24 and HighPlex Ascend.
⁴ Starting with unpurified samples, one HighPlex Alliance™ setup can provide results for up to 288 samples within 24 hrs.

HighPlex Alliance™ Workflow

4 hrs 5 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 35 to 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

* 35 minute protocol for rapid SARS-CoV-2 screening. 55 minute protocol based on sample purification of 24 samples using MT-Prep™ Viral/Pathogen Extraction Kit.



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.

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.



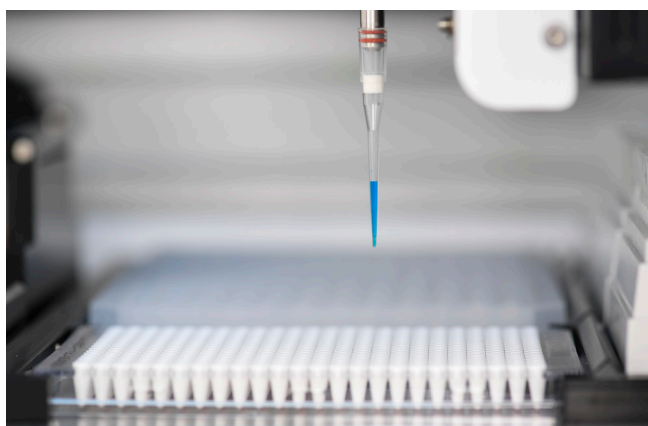
HighPlex Ascend

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



Interactive
Virtual Lab



Dependable automation for high quality results

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

Diagnostic areas

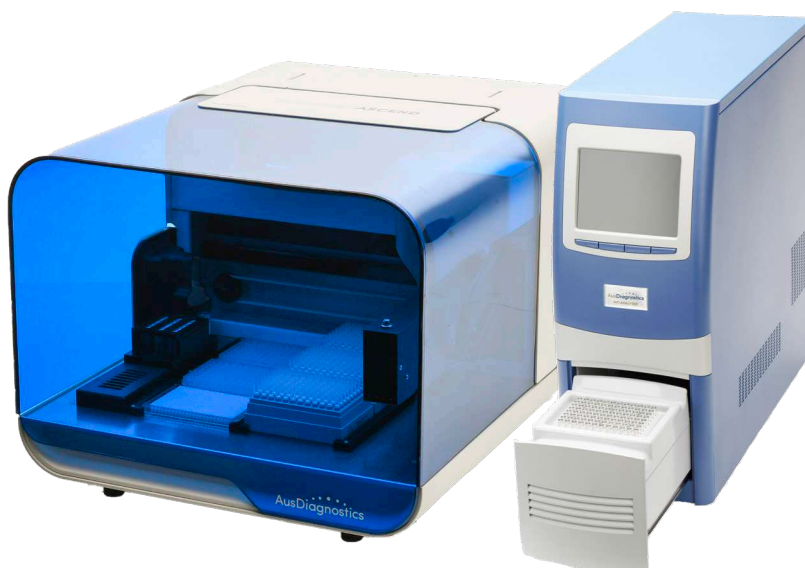
Detect up to 40 gene targets* simultaneously with TandemPlex® panels available in a range of diagnostic areas.

- 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.

Built for efficiency

With a small footprint requiring less than 1 m of benchspace, the HighPlex Ascend is built for flexibility. 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.



Specifications

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

MT-Prep™ 24 – Sample Purification

Processing capacity	1 – 24 samples per run
Throughput / 24hrs	Up to 576 samples
Processing time	55 mins ¹ (35 min ¹ protocol available)
Sample volume	100 – 2000 µL (1,000 µL for whole blood kit)
Elution volume	50 – 200 µL
Display	7" colour touch-screen
Dimensions	91.5 W x 66.5 D x 60.4 H cm
Weight	100 kg approx.
Protocols	Preinstalled
Power supply	110 – 240 VAC, 50/60 Hz, 5 A

HighPlex Ascend – MT-PCR Processor

Inclusions	1 x Processor 1 x MT-Analyser	
Processing capacity	1 – 24 samples per run	
Throughput / 24 hrs	Up to 288 samples ²	
Processing time	3 hrs 10 mins ³	
Hands-on time	10 mins	
Sample volume	10 µL	
Dimensions	Processor	W 50 x D 59 x H 40 cm
	Analyser	W 21 x D 54 x H 54 cm
Weight approx.	Processor	30 kg
	Analyser	27 kg
Protocols	Preinstalled	
Power supply	100 – 240 VAC, 50/60 Hz	

¹ Based on MT-Prep™ 24 Viral/Pathogen Extraction Kit, excluding manual sample aliquoting.

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 Nucleic Acids Extraction Kit
93032	MT-Prep™ Blood DNA Extraction Kit 1200 (RUO)
93037	MT-Prep™ Blood DNA Extraction Kit 200
93033	MT-Prep™ Tissue DNA Extraction Kit
93034	MT-Prep™ FFPE DNA Extraction Kit
93035	MT-Prep™ Total RNA Extraction Kit
93036	MT-Prep™ CFC DNA Extraction Kit

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

HighPlex Ascend

Instruments & Components	
91501	HighPlex Ascend
Reagents & Consumables	
Enquire	TandemPlex® Panels
Enquire	Synthetic Positive Controls
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 Ascend
91502	Tip disposal bags (100) for HighPlex Ascend

Contact us now to schedule a demonstration.



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