

MT-PREP

AusDiagnostics Nucleic Acids Extraction Platform

- ❑ True Walk-Away Automation
- ❑ Easy-to-Use User-Interface
- ❑ Cassette design
- ❑ Magnetic Particles Extraction Technology
- ❑ No manual liquid handlings
- ❑ From 1 to 24 samples without wastage
- ❑ Cost-Effective and Reliable



MT-Prep is a new AusDiagnostics extractor of nucleic acids processing up to 24 samples in one batch. With its specially designed ready-to-use reagent cassettes and reagent chambers the instrument delivers maximum convenience, quality and speed of extraction process.

MT-Prep has the flexibility of processing from 1 to 24 samples per run without any reagent or plastic wastage making it ideal for laboratories with varying sample throughputs.

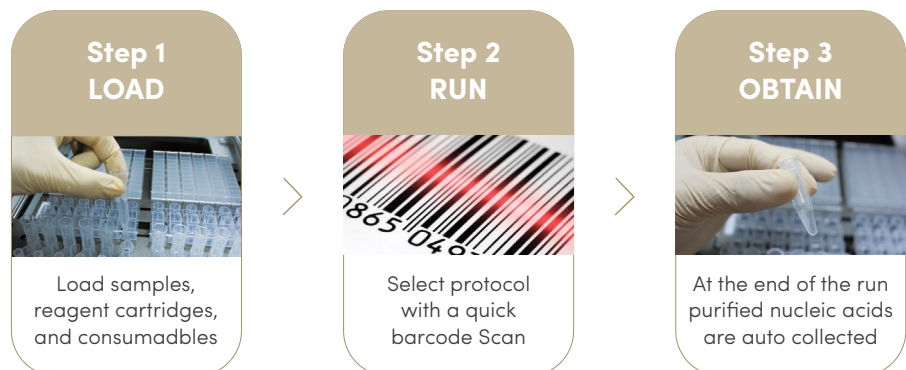
MT-prep utilises a universal viral and pathogen extraction kit which covers all important sample types for detection of infectious disease. Proven magnetic separation technology makes purification efficient, reliable, easy-to-use and safe.

SPECIMEN TYPES

- Swabs: nasal, pharyngeal, throat, eye, buccal, rectal, genital, skin lesions
- Cervicovaginal samples: scrapes, smears
- Saliva, mouthwashes
- BAL, aspirates, sputum
- Stool
- CSF, urine, other cell free bodyfluids
- Whole blood (coming soon)

3 Easy Steps to Start the Run

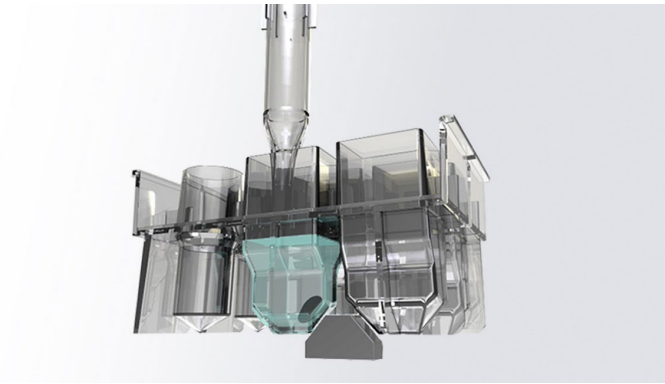
A complete solution containing everything needed for your applications. MT-Prep is designed to be one of the most reliable and yet the easiest to use systems on the market. Technicians only need to load the starting materials, run the pre-programmed protocol, and obtain the extracts. It's as simple as 3 steps, no complicated procedures to follow





All in one

No more moving liquid solutions around! All needed reagents sealed in reagent cassettes and handled 100% automatically. From the primary tube straight to the PCR setup, a worry free system guarantees high quality results. A unique contamination prevention mechanism eliminates any error that may occur during manual operation.



Unique design

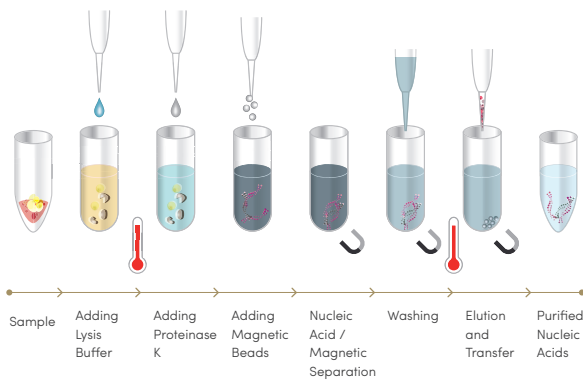
MT-Prep creates a high quality product with no compromise on speed. With unrivalled mixing ability and an ingenious reaction chamber design, high efficiencies of lysis and elution are ensured, whilst excluding the residues of magnetic beads and alcohols in the final eluate.



Convenience and simplicity

All reagents and consumables are packed in one compact box. Automation ensures that the user can elect the number of samples to be extracted per run, significantly reducing consumption costs. Reagent cassettes and plastic chambers are merged for an easy extraction setup. Sample and elution racks can be easily removed, which serve as a convenient carry rack.

PURIFICATION PROCESS



SYSTEM SPECIFICATIONS & ORDERING

Dimensions	90Wx58Dx45H cm
Weight	100 kg
Processing capacity	1-24 samples per run
Processing time	75 min
Sample volume	50-200 ul (1000 ul upon request)
Elution volume	50-200 ul
Protocols	Preinstalled on board
Power supply	110-240V 50/60Hz

93100	MT-Prep Extractor
93110	MT-Prep Extractor with LIMS connectivity
93010	MT-Prep Viral/Pathogen Extraction Kit