

Sexual Health

r-biopharm®



Efficient

Detect up to 40 targets with a single panel



Precise

High specificity and sensitivity for reliable results



Convenient

Intuitive, user-friendly workflow

r-biopharm.com.au

RIDA®Plex

R-Biopharm Australia delivers advanced multiplexed molecular assays for sexual health, enabling simultaneous detection of sexually transmitted infections, pathogenic flora and antimicrobial resistance markers from a single sample.

RIDA®Plex panels feature our proprietary multiplex-tandem PCR (MT-PCR) technology, a highly multiplexed molecular method that empowers users with the added capability to detect multiple pathogens in a single run. MT-PCR enables comprehensive syndromic diagnosis and earlier medical intervention, particularly in the detection of Mpox. Integrated detection within a single, comprehensive assay enables clinicians to confidently differentiate between sexually transmitted lesions and other skin infections, particularly in priority populations such as MSM, where overlapping symptoms and co-infections are more common.

Multiplexed molecular methods are becoming the gold standard for testing of sexually transmitted infections due to their superior sensitivity, rapid turnaround time, simplicity and ability to identify multiple pathogens, informing decisions for appropriate antimicrobial care.

Benefits of RIDA®Plex Panels

- Detect up to 40 targets with a single panel
- High specificity for reliable results
- Separated 2-step process that allows parallel processing for greater efficiency
- Low volume of sample required, allowing for further analysis of the remainder of the sample
- Low number of multiplexed amplification cycles which limits competition and preserves quantitation

RX
24

RIDA®Plex panel compatible with RIDA®Xplore Instrument

RJ
96

RIDA®Plex panel compatible with RIDA®Jump Instrument

8
well

8 well RIDA®Plex panel

12
well

12 well RIDA®Plex panel

16
well

16 well RIDA®Plex panel

24
well

24 well RIDA®Plex panel

Sexual Health RIDA®Plex Panels

Urinogenital Infections & Resistance

Combined differentiation of urinogenital pathogens and detection of antimicrobial resistance genes is critical for rapid and sensitive identification of STI and informed determination of the most appropriate medical interventions in a suspected genital infection.

RIDA®Plex STI 16 well

REF 27112 | IVD

RX
24

Bacteria

Chlamydia trachomatis
Chlamydia trachomatis serovars L1, L2 and L3
RUO: *Haemophilus ducreyi*
Mycoplasma genitalium
Mycoplasma hominis

Neisseria gonorrhoeae
Streptococcus agalactiae
Treponema pallidum
Ureaplasma parvum
Ureaplasma urealyticum

Fungi

Candida albicans
Nakaseomyces glabratus (formerly *Candida glabrata*)

Pichia kudriavzevii (formerly *Candida krusei*)

Parasites

Trichomonas vaginalis

Viruses

HSV-1 (Human herpesvirus 1)

HSV-2 (Human herpesvirus 2)

RIDA®Plex Urinogenital 8 well

REF 27113 | IVD

RX
24

Bacteria

Chlamydia trachomatis
Mycoplasma genitalium
Mycoplasma hominis

Neisseria gonorrhoeae
Ureaplasma parvum
Ureaplasma urealyticum

Parasites

Trichomonas vaginalis

RIDA®Plex Urinogenital and Resistance 12 well

REF 87123 | IVD

RX
24

RJ
96

Bacteria

Chlamydia trachomatis
Chlamydia trachomatis serovars L1, L2 and L3
Mycoplasma genitalium

Mycoplasma hominis
Neisseria gonorrhoeae
Ureaplasma parvum
Ureaplasma urealyticum

Parasites

Trichomonas vaginalis

Resistance Genes

RUO: Ceftriaxone resistance in *N. gonorrhoeae*

Fluoroquinolone and macrolide resistance markers in *M. genitalium*

Lesions & Ulcers

Differential diagnosis of lesion and ulcer-causing pathogens.

RIDA®Plex Lesions and Ulcers A 12 well

REF 87191 | RUO*

RX
24

RJ
96

Bacteria

Chlamydia trachomatis
Chlamydia trachomatis serovars L1, L2
and L3

RUO: *Haemophilus ducreyi*
Treponema pallidum

Viruses

HSV-1 (Human herpesvirus 1)
HSV-2 (Human herpesvirus 2)
VZV (Human herpesvirus 3)

Human Adenovirus (Groups B, C and E)
Enterovirus (Types A, B, C and D)
Mpox

RIDA®Plex Lesions and Ulcers 8 well

REF 87192 | IVD

RX
24

RJ
96

Bacteria

Treponema pallidum

Viruses

HSV-1 (Human herpesvirus 1)
HSV-2 (Human herpesvirus 2)
VZV (Human herpesvirus 3)

Human Adenovirus (Groups B, C and E)
Enterovirus (Types A, B, C and D)
Mpox

RIDA®Plex Lesions and Ulcers B 12 well

REF 87193 | RUO*

RX
24

RJ
96

Bacteria

Haemophilus ducreyi

Treponema pallidum

Viruses

HSV-1 (Human herpesvirus 1)
HSV-2 (Human herpesvirus 2)
VZV (Human herpesvirus 3)
Human Adenovirus (Groups B, C, E, F
and G)

Enterovirus (Types A, B, C and D)
Parechovirus (Types 1 to 8)
Mpox

*RUO = Research Use Only. Not for use in diagnostic procedures



Automation

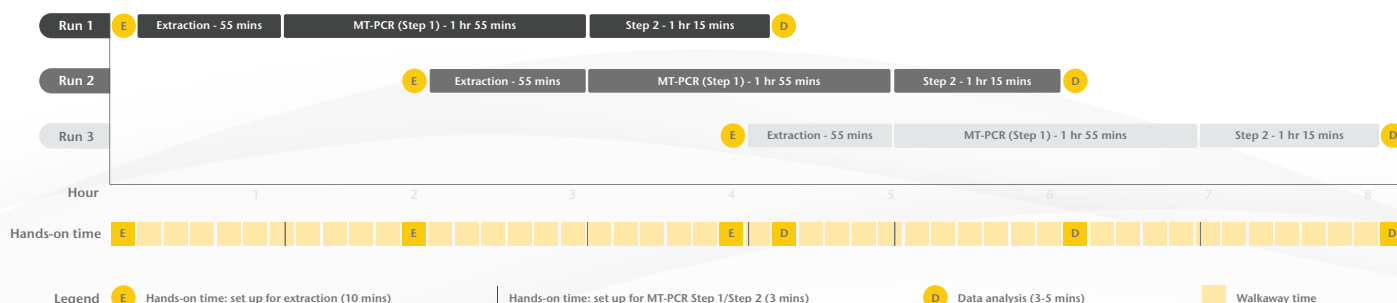
Diagnostic testing using RIDA®Plex panels is effortless with automation solutions for any workflow, ranging from low to high throughput and screening applications.

RIDA®Xplore Alliance

Low-Medium Throughput

RIDA®Xtract 24 extraction with RIDA®Xplore MT-PCR processing

- Sample to results from up to 24 samples¹ in approx. 4 hrs 30 mins
Extraction: 35 – 55 mins² | MT-PCR: approx. 3 hrs 30 mins
- Quick and easy setup in approx. 2 mins
- Ready-to-use reagents and key plastic consumables
- Small footprint – requires less than 2m of bench space
- UV deck sterilisation to prevent cross contamination
- Automatic results calling
- LIMS compatible



¹8 well, 12 well and 16 well RIDA®Plex panels can run up to 24 samples; 24 well RIDA®Plex panels can run up to 16 samples.

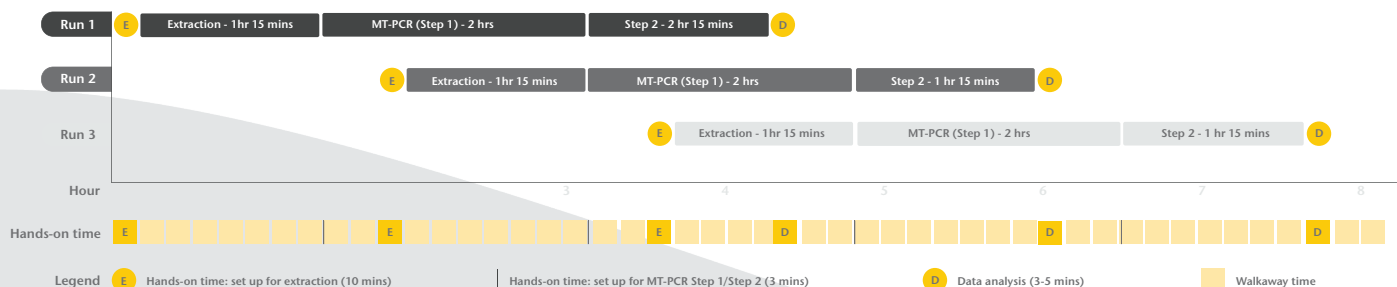
²Using RIDA®Xtract 24 Pathogen Kit. Approx. 35-minute rapid protocol, 55-minute standard protocol for up to 24 samples.

RIDA®Jump Alliance

High Throughput

RIDA®Xtract 96* (coming soon) extraction with RIDA®Jump MT-PCR processing

- Sample to results from up to 96 primary samples³ in approx. 4 hrs 15 mins
- Extraction: 1 hr 15 mins⁴ | MT-PCR: approx. 3 hrs 30 mins
- Set up in approx. 2 mins
- Ready-to-use reagents and key plastic consumables
- Multi-channel pipetting for efficient processing
- Use with universal RIDA®Plex panels
- Automatic results calling
- LIMS compatible



³8 well, 12 well and 16 well RIDA®Plex panels can run up to 96 samples; 24 well RIDA®Plex panels up to 64 samples.

⁴Sample purification using RIDA®Xtract 96 DNA/RNA Kit (currently registered as Puryx Comprehensive DNA/RNA Extraction Kit).

*RIDA®Xtract 96 registered as MT-Prep XL

Sample RIDA®Plex Results

Presence of a target gene is represented by the fluorescence detected during the MT-PCR process. These results (Figure 1) are also presented as melt curves and gene targets detected in the sample are automatically called for clear diagnosis.



Figure 1: Sample results for Urinogenital & Resistance 12 well Panel (REF 87123)

Product Portfolio



RIDA®Plex



RIDA® Prep



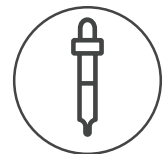
RIDA® PrepX



RIDA® Xtract 24



RIDA® Xtract 96

Automation
Systems

Dermatophytes



Gastrointestinal



Respiratory Pathogens



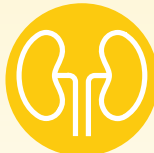
Hospital Care



Drug Resistance



Sexual Health



Urinary Tract Infections



Women's Health



Vector-Borne Infections



Animal Health



Applied Testing

Ordering Information

Each RIDA®Plex panel requires the following to run:

1. RIDA®Plex Step 1 Tubes (e.g. 27112S)
2. RIDA®Plex Step 2 Plates (e.g. 27112P)
3. Reagent Cassette for RIDA®Xplore or Reagent Reservoir for RIDA®Jump instruments
4. A RIDA®Plex Positive Control



Learn More

Key Reagents

#####S	RIDA®Plex Step 1 for the desired panel	RX 24	RI 96
#####P	RIDA®Plex Step 2 for the desired panel	RX 24	RI 96
40241	RIDA®Plex S DNA Cassette ¹	RX 24	
40231	RIDA®Plex L DNA Cassette ¹	RX 24	
40341	RIDA®Plex S RNA Cassette ¹	RX 24	
40331	RIDA®Plex L RNA Cassette ¹	RX 24	
40631	RIDA®Plex S DNA Reservoir ²		RI 96
40621	RIDA®Plex M DNA Reservoir ²		RI 96
40611	RIDA®Plex L DNA Reservoir ²		RI 96
40731	RIDA®Plex S RNA Reservoir ²		RI 96
40721	RIDA®Plex M RNA Reservoir ²		RI 96
40711	RIDA®Plex L RNA Reservoir ²		RI 96
91021	RIDA®Plex Positive Control STIs and Herpes	RX 24	RI 96
RIDA®Xplore Alliance		RX 24	
96420	RIDA®Xtract 24		
96521	RIDA®Xplore		
RIDA®Jump Alliance			RI 96
96120	RIDA®Xtract 96 ³		
96221	RIDA®Jump		

¹Reagent Cassettes are for use with the RIDA®Xplore.

²Reagent Reservoirs are for use with the RIDA®Jump.

³RIDA®Xtract 96 registered as MT-Prep XL

Ordering information on consumables for the RIDA®Xplore Alliance and RIDA®Jump Alliance is available from your local R-Biopharm Australia representative.



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