

Dermatophytes

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

Combined screening of clinically relevant pathogens in dermatophytosis ensures efficient routine screening, improving patient outcomes. Our Dermatophytes and other Fungi 12 well panel is designed for the differential diagnosis of dermatophyte and non-dermatophyte driven infections of keratinous tissue, with the versatility of use with skin, nail and hair samples.

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.

This 2-step process mitigates competition during amplification, ensuring reliable detection of targets with differing concentration levels in the specimen.

Multiplexed molecular methods are becoming the gold standard for testing dermatophytosis infections due to their superior sensitivity, rapid turnaround time, simplicity and ability to identify multiple pathogens, many of which are slow growing or difficult to culture.

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

Dermatophytes RIDA®Plex Panels

Dermatophytes

Simultaneous detection of the most common dermatophytes, yeasts and moulds, enabling differential diagnosis of dermatophyte and non-dermatophyte infections, including co-infections.

RIDA®Plex Dermatophytes and other Fungi 12 well REF 84115 | IVD

RX
24

Fungi

Aspergillus spp.
Candida albicans
Candida parapsilosis (including
C. orthopsilosis and *C. metapsilosis*)
Meyerozyma guilliermondii
Nakaseomyces glabratus (formerly
Candida glabrata)
Epidermophyton floccosum
Nannizzia gypsea

Trichophyton spp.
Trichophyton mentagrophytes complex
(including *T. indotineae* and *T. interdigitale*)
Trichophyton rubrum complex
Microsporum spp. (including *M. canis*, *M. audouinii* and *M. ferrugineum*)
Microsporum canis
Scopulariopsis spp.

RIDA®Plex Dermatophytes A 12 well REF 84118 | IVD

RX
24

RJ
96

Fungi

Candida albicans
Epidermophyton floccosum
Microsporum canis
Microsporum spp. (including *M. canis*, *M. audouinii* and *M. ferrugineum*)
Nannizzia gypsea

Scopulariopsis spp.
Trichophyton spp.
Trichophyton mentagrophytes complex
(including *T. indotineae* and *T. interdigitale*)
Trichophyton rubrum complex
Trichophyton indotineae

Give Fungi Nowhere to Hide

RIDA®Prep Tissue Digestion Kit

Improve nucleic acid yield from dermatophytes by treating hair, skin and nail specimens with RIDA®Prep Tissue Digestion Kit. The RIDA®Prep Tissue Digestion Kit releases dermatophytes from tissue samples to improve the yield of fungal nucleic acids in downstream sample purification. Empowering users with a convenient workflow, RIDA®Prep Tissue Digestion Kit is ideal when sensitivity and accuracy are critical to patient outcomes.

- Improve extraction efficiency
- Achieve greater assay sensitivity with higher nucleic acid yield
- Reduce PCR inhibitors in downstream application
- Compatible with both dermatophyte and nondermatophyte fungal species
- Minimal handling, with only one heating step involved





Automation

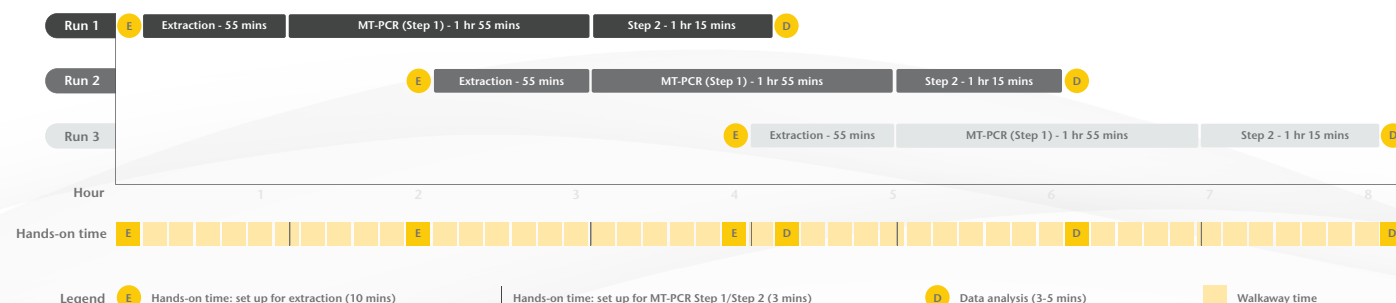
Diagnostic testing using RIDA®Plex panels is effortless with automation solutions for any workflow, ranging from low to high throughput and screening applications.

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: 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.

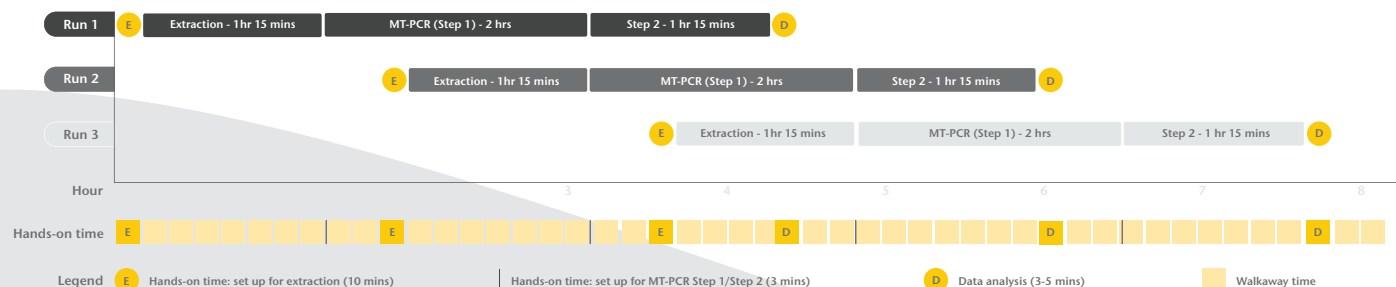
²Using RIDA®Xtract 24 Pathogen Kit. Approx. 35-minute rapid protocol, 55-minute standard protocol for up to 24 samples.

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: 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 RIDA®Plex Dermatophytes and other Fungi 12 well panel (Ref 84115). Sample results are generated from positive controls.

Product Portfolio



RIDA®Plex



RIDA®Prep



RIDA®PrepX



RIDA®Xtract 24



RIDA®Xtract 96



Automation Systems



Dermatophytes



Gastrointestinal



Respiratory Pathogens



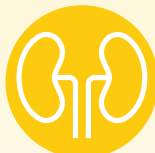
Hospital Care



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. 84115S)
2. RIDA®Plex Step 2 Plates (e.g. 84115P)
3. Reagent Cassette for RIDA®Xplore or Reagent Reservoir for RIDA®Jump instruments
4. A RIDA®Plex Positive Control



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
91091	RIDA®Plex Positive Control Fungal Panels	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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