

Animal 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

Animal pathogens are difficult to distinguish due to overlapping clinical profiles. A multiplexed approach is advantageous in efficient symptomatic screening of common gastrointestinal and respiratory viruses, bacteria, parasites, and fungi.

RIDA®Plex panels feature multiplex-tandem PCR (MT-PCR), a multiplexed molecular method that provides the added capability to detect DNA and RNA viruses, bacteria, parasites, and fungi in one go, allowing vastly superior differential diagnosis and earlier medical intervention.

Ideal for animal testing where pathogen candidates of different types may be present, the 2-step process mitigates competition during amplification, ensuring reliable detection of targets with different levels of prevalence.

Multiplexed molecular methods are becoming the gold standard for the detection of veterinary pathogens due to their superior sensitivity, rapid turnaround time, simplicity, and ability to identify multiple pathogens, some 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

Animal Health RIDA®Plex Panels

Small Animals

Panels for the most common pathogenic bacteria, viruses, parasites, and fungi for efficient veterinary screening in domestic animals, such as felines and canines.

RIDA®Plex Small Animal Neurological 16 well REF 28163 | RUO

RX
24

Bacteria

Bartonella spp.
Borrelia spp.
Leptospira interrogans

Streptococcus spp.
Staphylococcus spp.

Fungi

Cryptococcus gattii
Cryptococcus laurentii

Cryptococcus neoformans

Parasites

Angiostrongylus spp.
Neospora caninum

Toxoplasma gondii

Viruses

Canine Distemper Virus
Canine Herpesvirus 1
Feline Coronavirus

Feline Leukaemia Virus
Feline Immunodeficiency Virus

RIDA®Plex Small Animal Anaemia 16 well REF 28201 | RUO

RX
24

Bacteria

Mycoplasma haemofelis / *haemominicans* complex
Mycoplasma haemominutum
Mycoplasma haematoparvum

Mycoplasma turicensis
Anaplasma platys
Bartonella spp.
Ehrlichia canis

Parasites

Babesia gibsoni
Babesia vogeli

Hepatozoon canis

RIDA®Plex Small Animal Respiratory 16 well REF 28202 | RUO

RX
24

Bacteria

Mycoplasma canis
Mycoplasma cynos
Mycoplasma felis

Bordetella bronchiseptica
Chlamydia felis

Fungi

Cryptococcus gattii
Cryptococcus laurentii
Cryptococcus neoformans

Aspergillus spp.
Pneumocystis canis

Parasites

Toxoplasma gondii

RIDA®Plex Small Animal Diarrhoea 16 well
REF 28714 | RUO

RX
24

Bacteria

Campylobacter coli
Campylobacter jejuni

Clostridium perfringens (including enterotoxins CPE and NetF)
Salmonella spp.

Parasites

Cryptosporidium canis
Cryptosporidium felis
Giardia lamblia

Neospora caninum
Toxoplasma gondii
Trichomonas foetus

Viruses

Canine Distemper Virus
Canine Enteric Coronavirus

Canine Parvovirus
Feline Coronavirus

RIDA®Plex Equine Faecal Pathogens 16 well
REF 28205 | RUO

RX
24

Bacteria

Clostridioides difficile (including toxins A and B)
Clostridium perfringens (including Beta 2 toxin, enterotoxin CPE and NetF)

Lawsonia intracellularis
Salmonella spp.

Parasites

Cryptosporidium hominis
Cryptosporidium parvum

Cryptosporidium spp.

Viruses

Equine Coronavirus

Equine Rotavirus

Livestock

Our avian, bovine and equine disease panels deliver comprehensive, species-specific detection of key viral and bacterial pathogens, supporting rapid diagnosis, effective surveillance, and informed health and biosecurity management across poultry, cattle and horses.

RIDA®Plex Avian Diseases 8 well
REF 28123 | RUO

RX
24

Bacteria

Chlamydophila psittaci

Parasites

Isospora spp.

Viruses

Avian Bornavirus
Avian Polyomavirus

Psittacine Beak and Feather Disease
Psittacine Herpesvirus

RIDA®Plex Bovine Respiratory 12 well
REF 28149 | RUO

RX
24

Bacteria

Mannheimia haemolytica
Mycoplasma bovis
Mycoplasma spp.

Histophilus somni
Pasteurella multocida

Viruses

Bovine Coronavirus
Bovine Herpesvirus 1

Bovine Parainfluenza Virus 3
Bovine Respiratory Syncytial Virus

RIDA®Plex Theileria 8 well
REF 28171 | RUO

RX
24

Parasites

Babesia bigemina
Babesia bovis

Theileria orientalis (genotypes Buffeli, Chitose, Ikeda and Type 5)

RIDA®Plex Equine Respiratory 8 well
REF 28204 | RUO

RX
24

Bacteria

Chlamydophila psittaci
Rhodococcus equi

Streptococcus equi
Streptococcus zooepidemicus

Viruses

Equine Herpesvirus 1

Equine Herpesvirus 4



Automation

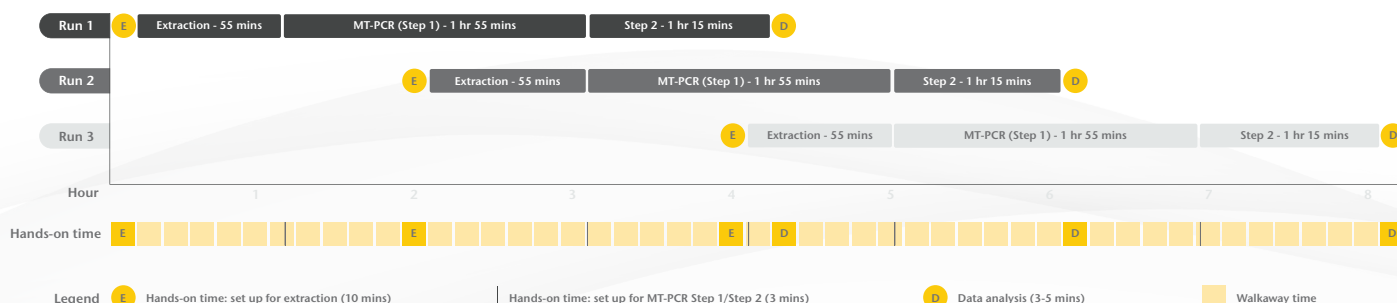
Diagnostic testing using RIDA®Plex panels is effortless with automation solutions for any workflow, ranging from low to high throughput and screening applications.

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.

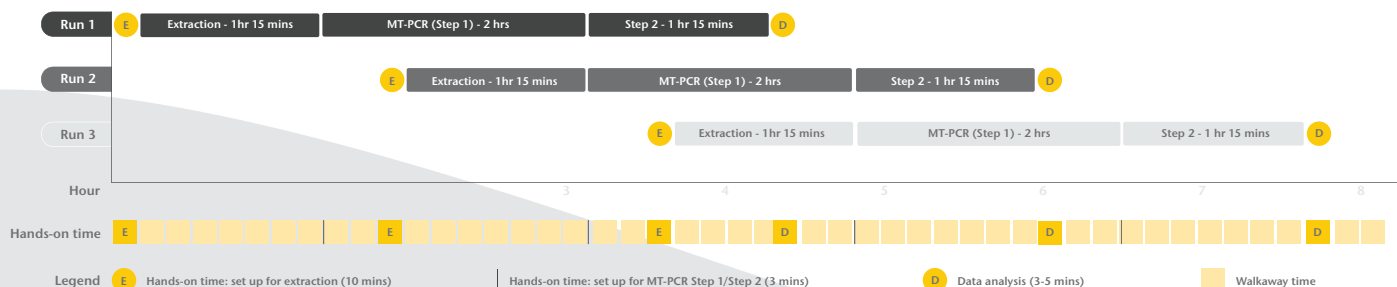
²Using RIDA®Xtract 24 Pathogen Kit. Approx. 35-minute rapid protocol, 55-minute standard protocol for up to 24 samples.

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 Small Animal Diarrhoea 16-well panel (REF 28174)

Product Portfolio



RIDA®Plex



RIDA® Prep



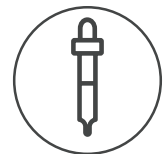
RIDA® PrepX



RIDA® Xtract 24



RIDA® Xtract 96

Automation
Systems

Dermatophytes



Gastrointestinal



Respiratory Pathogens



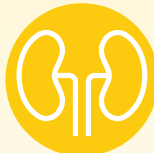
Hospital Care



Drug Resistance



Sexual Health



Urinary Tract Infections



Women's Health



Vector-Borne Infections



Animal Health

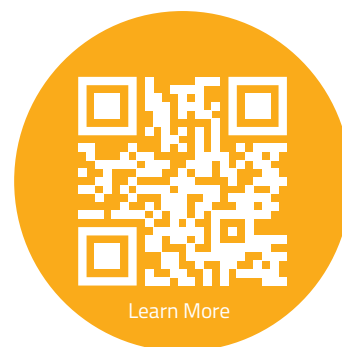


Applied Testing

Ordering Information

Each RIDA®Plex panel requires the following to run:

1. RIDA®Plex Step 1 Tubes (e.g. 28163S)
2. RIDA®Plex Step 2 Plates (e.g. 28163P)
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
91330/91260	RIDA®Plex Positive Control Veterinary Panels A/B	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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