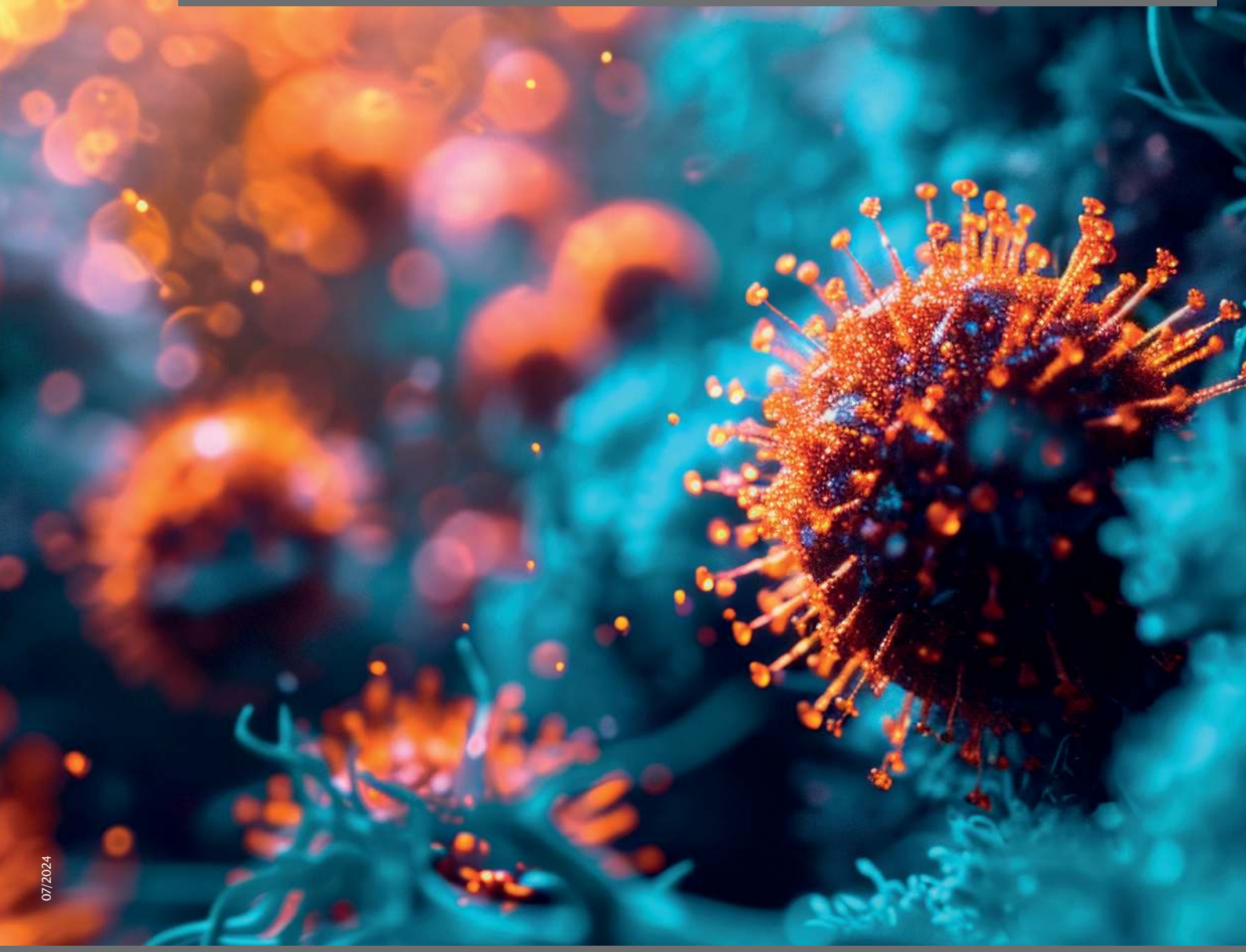
r-biopharm®

Diagnostics of respiratory infections

Suitable system solutions for your individual laboratory routine



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Flexible:
Extensive portfolio – the right solution for every laboratory routine

Individual:
The right system for every sample throughput

Precise:
High sensitivity and specificity thanks to selected technologies

More information:

r-b.io/respi

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What respiratory requirements does your laboratory have?

Flexible solutions for your molecular diagnostics laboratory

RIDA®UNITY

Fully automated

The fully automated system offers optimization of your laboratory routine from extraction to sample evaluation

- Full flexibility due to the combination of several parameters
- Suitable for specific requirements in medium to high sample throughput ranges

Vivalytic

Fully automated

Fully automated molecular diagnostics at the point of care

- Flexibility through fully automated processing of single to multiplex applications
- Easy handling due to intuitive cartridges
- Suitable for multiple requirement profiles with low sample throughput

BOSCH Technik fürs Leben

vivalytic

Highplex Alliance™ & Ultraplex Alliance™

Semi-automated

The multiplex tandem PCR offers outstanding sensitivity and specificity even in the highly plexed system

- Efficient processing through the parallel detection of viruses, bacteria and fungi; up to 30 pathogens in one run
- Suitable for multiple requirements in medium to high sample throughput ranges

RIDA®GENE & RIDA®SEEK

Manually

Direct detection of the target sequence using real-time PCR

- Efficient combination of all RIDA®GENE assays independent of the detection of RNA or DNA
- Simple evaluation using RIDA®SEEK software
- Adaptation to your individual routine with 100 reactions per product and 20 thaw/freeze cycles
- Suitable for specific requirements in low to medium sample throughput ranges

Cold – cough – fever
Must be the flu... but what if it is not?!

What's really behind the symptoms?

The symptoms of a "classic cold" – runny nose, cough, aching limbs and/or fever – can be caused by a variety of respiratory pathogens. This is why it is difficult to assign them correctly. In addition to the "classic cold", other lung infections also come to the fore again and again. Therefore, the patient profile plays a major role in the diagnosis.

In immunocompetent adults respiratory symptoms are caused e.g. by influenza, SARS-CoV-2, rhinoviruses but also *Mycoplasma pneumoniae* or *Bordetella*.

In children on the other hand, respiratory infections can manifest as fever, runny nose, cough and wheezing, indicating the presence of viruses such as rhinoviruses or adenoviruses, but also severe courses as a result of a respiratory syncytial virus (RSV) infection are not uncommon.

The stakes are higher **in elderly or immunosuppressed patients**, who are much more susceptible to severe complications such as pneumonia. Here, pathogens such as *Streptococcus pneumoniae*, *Legionella pneumophila* or even *Haemophilus influenzae* are just as often causative as RSV.

It is a fact: for a targeted and effective treatment, a differential diagnosis of the pathogens is crucial.

This is why R-Biopharm offers a corresponding product portfolio in the field of respiratory infections in order to support you in diagnosing the correct pathogen and thus enabling most effective patient treatment.

- Our RIDA®GENE real-time PCR products for manual processing can be used on all common cyclers. Uniform processes and a universal PCR profile allow the individual combination and processing of different assays in the same PCR run.
- Fully automated processing of respiratory requirements is made possible by our RIDA®UNITY system portfolio in the laboratory and our molecular solution directly at the point of care (Vivalytic).
- Finally, the TandemPlex® panels from AusDiagnostics, focusing on syndromic testing especially, even allow parallel detection and differentiation of up to 30 different respiratory pathogens. The complete workflow can be mapped via clever, automatic and throughput-dependent system solutions.

Haven't found the right product yet?

We have a suitable solution for your diagnostic needs and will be happy to advise you!

Please contact us personally:
MDX@r-biopharm.de

Pathogen overview

	RIDA®GENE	RIDA®UNITY	Vivalytic	Highplex Alliance™ & Ultraplex Alliance™
Viruses				
SARS-CoV-2	•	•*	•	•
Influenza	•	•*	•	•
RSV	•	•	•	•
Parainfluenza	•	•		•
Metapneumovirus	•	•		•
Enterovirus	•		•*	•
Rhinovirus	•		•*	•
Adenovirus	•		•*	•
Bocavirus	•			•
Coronavirus	•		•*	•
Parechovirus	•			•
MERS	•		•*	
Bacteria				
Bordetella	•	•*	•	•
Chlamydophila pneumoniae	•	•		•
Chlamydia psittaci				•
Staphylococcus aureus				•
Streptococcus pneumoniae				•
Haemophilus				•
Legionella	•	•		•
Mycobacterium tuberculosis-complex				•
Mycoplasma pneumoniae	•	•	•	•
Fungi				
Aspergillus fumigatus (RUO)				•
Cryptococcus neoformans				•
Pneumocystis jirovecii	•			•

* Coming soon

A detailed description of the detectable pathogens can be found in the test-specific instructions for use. Products are also available in other indications and can be combined depending on the technology.

Do you need further information?
Please contact us at *MDX@r-biopharm.de*.