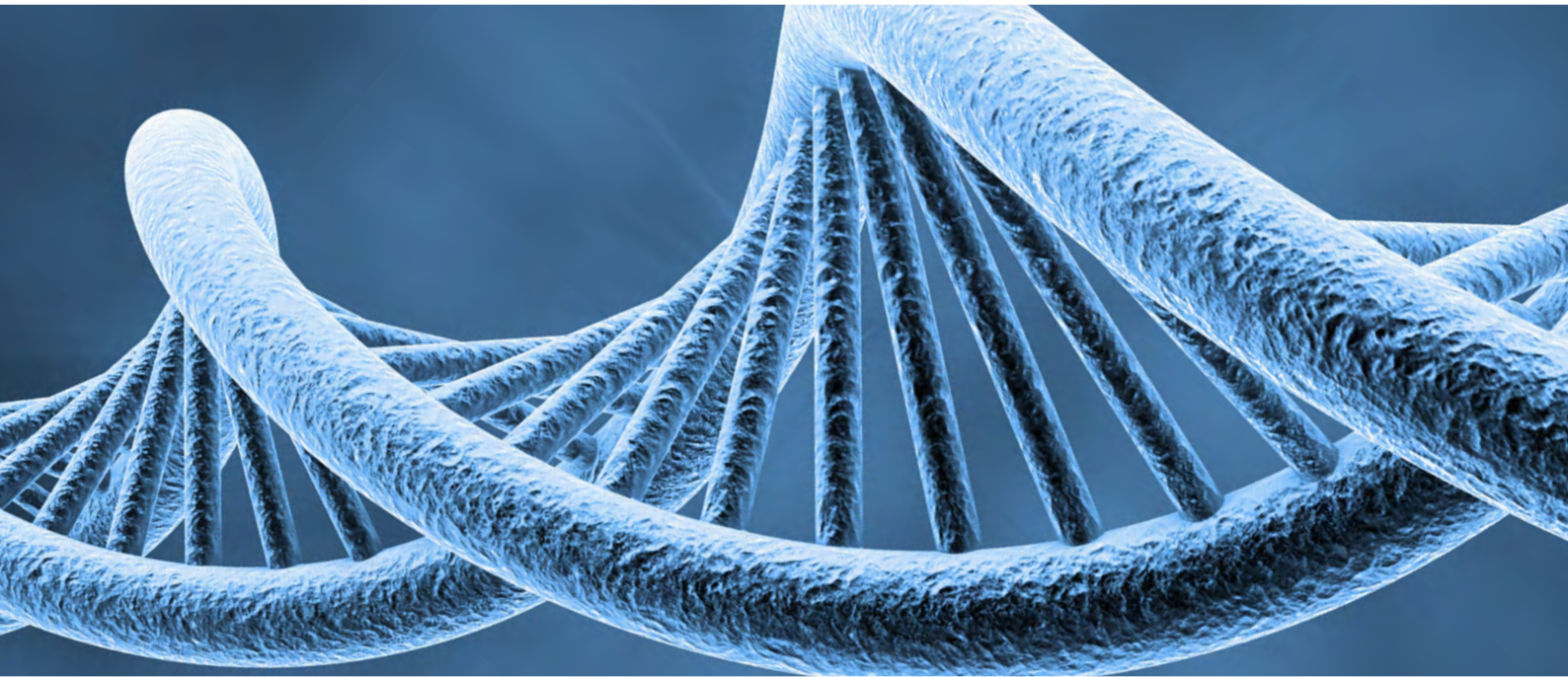
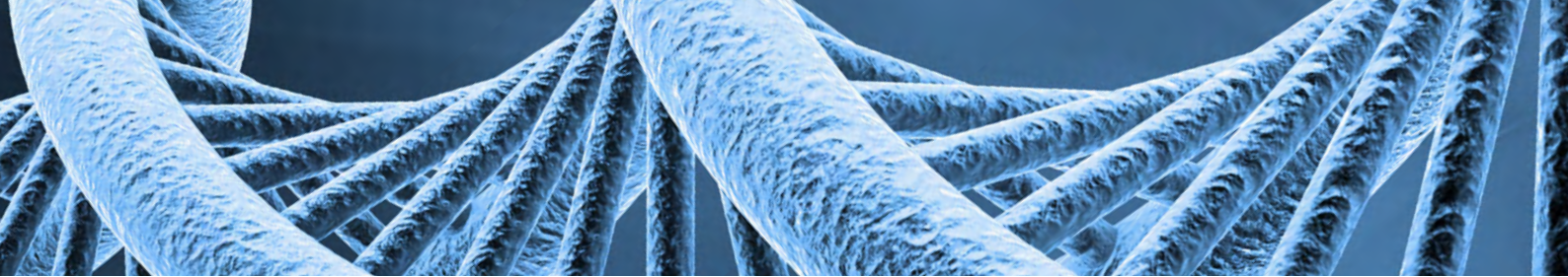


**MIKROGEN**  
D I A G N O S T I K



**MOLECULAR DIAGNOSTICS  
FOR INFECTIOUS DISEASES**

Real-time PCR  
DNA & RNA Extraction



# Easy, safe, flexible and compatible

## Convince yourself of our high-quality products and our wide product range

### Safe diagnosis

- High sensitivity and specificity
- High safety: internal control for monitoring nucleic acid extraction (RNA/DNA) and real-time PCR inhibition in each reaction
- CE label: Our PCR tests meet the high standard of the EC directive 98/79/EC on in vitro diagnostic medical devices

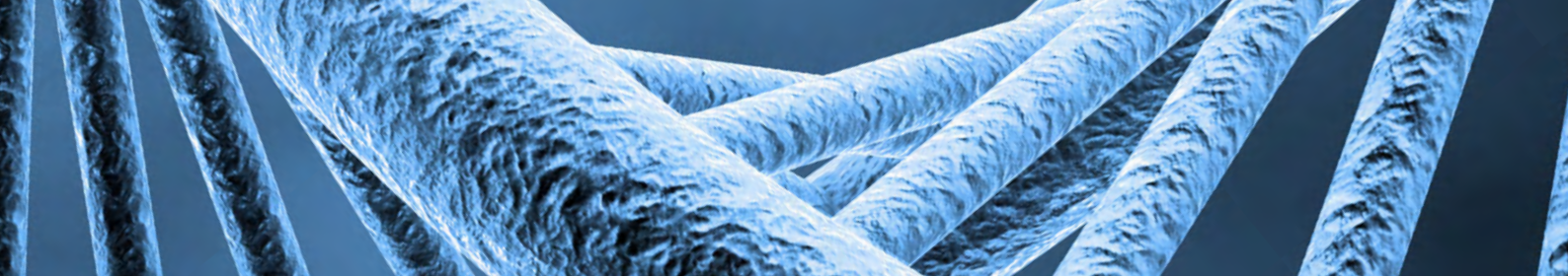
### Flexible and compatible

- Compatible with most common real-time PCR cyclers
- Compatible with different RNA/DNA extraction methods



## Respiratory Infections

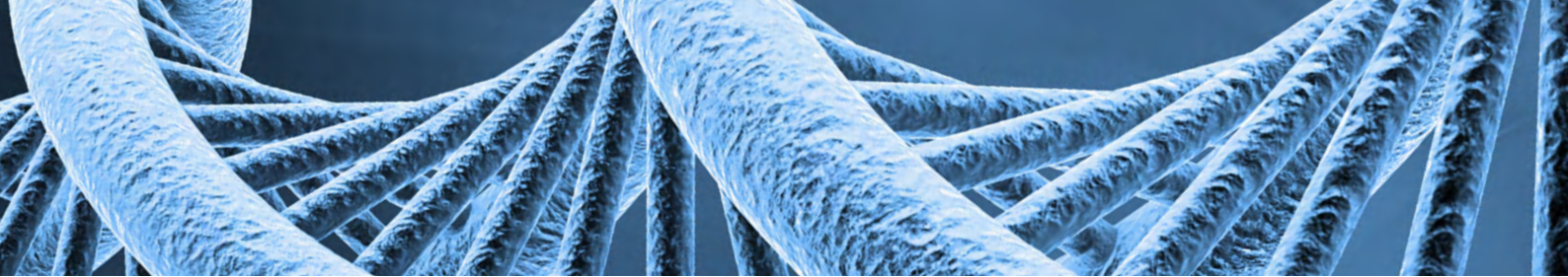
| <i>ampliCube</i>   | single-plex | multi-plex | Article no.    | rxn       |
|--|-------------|------------|----------------|-----------|
| <b><i>ampliCube</i> Respiratory Bacterial Panel 1.1</b><br>Real-time PCR for detection & semi-quantification of <i>Chlamydomphila pneumoniae</i> , <i>Mycoplasma pneumoniae</i> , <i>Legionella pneumophila</i> and <i>Legionella</i> spp.<br>Test is designed for 5-channel real-time PCR cyclers.  |             | x          | 50151          | 50        |
| <b><i>ampliCube</i> Respiratory Bacterial Panel 1.1 LC</b><br>Test is designed for use on the Roche LightCycler® 480 II only.  |             | x          | 50153          | 50        |
| <b><i>ampliCube</i> Respiratory Bacterial Panel 2</b><br>Real-time PCR for detection of <i>Bordetella pertussis</i> , <i>Bordetella parapertussis</i> , <i>Bordetella holmesii</i>   |             | x          | 50111          | 50        |
| <b><i>ampliCube</i> Respiratory Bacterial Panel 3</b><br>Real-time PCR for detection & semi-quantification of <i>Streptococcus pneumoniae</i> , <i>Staphylococcus aureus</i> , <i>Haemophilus influenzae</i>   |             | x          | 50121          | 50        |
| <b><i>ampliCube</i> Respiratory Bacterial Panel 4</b><br>Real-time PCR for detection & semi-quantification of <i>Moraxella catarrhalis</i> , <i>Klebsiella pneumoniae/oxytoca</i>  |             | x          | 50131          | 50        |
| <b><i>ampliCube</i> Coronavirus Panel</b><br>Real-time RT-PCR for detection of Middle East Respiratory Syndrome Coronavirus (MERS-CoV, SARS-Coronaviruses (including SARS-CoV-2 / COVID 19), Human Coronaviruses (NL63, OC43, 229E, HKU1)  |             | x          | 50142          | 50        |
| <b><i>ampliCube</i> Coronavirus SARS-CoV-2</b><br>Real-time RT-PCR for screening and confirmation for SARS-Coronaviruses and SARS-CoV-2 / COVID-19; SARS-CoV screening by means of E-Gene and SARS-CoV-2 confirmation by means of specific marker in the Orf1a   |             | x          | 50143<br>50144 | 50<br>500 |
| <b><i>ampliCube</i> Coronavirus SARS-CoV-2 plus</b><br>Real-time RT-PCR for screening and confirmation for SARS-Coronaviruses and SARS-CoV-2 / COVID-19; SARS-CoV screening by means of E-Gene and SARS-CoV-2 confirmation by means of specific marker in the Orf1a. In addition, a human gene is detected as endogenous human control (HC). |             | x          | 50148<br>50149 | 50<br>500 |
| <b><i>ampliCube</i> Respiratory Flu &amp; SARS-CoV-2</b><br>Real-time RT-PCR for the detection of Influenza A, Influenza B and SARS-CoV screening by E gene and SARS-CoV-2 confirmation by specific marker in Orf1a. Test is designed for 5-channel real-time PCR cyclers  |             | x          | 50163<br>50164 | 50<br>500 |
| <b><i>ampliCube</i> Respiratory Flu &amp; SARS-CoV-2 LC</b><br>Test is designed for use on the Roche LightCycler® 480 II only.   |             | x          | 50173<br>50174 | 50<br>500 |



|   |             |            |             |     |
|---|-------------|------------|-------------|-----|
| <b>ampliCube Respiratory Viral Panel 1</b><br>Real-time RT-PCR for detection of Influenza A, Influenza B, Influenza A H1N1  |             | x          | 50102       | 50  |
| <b>ampliCube Respiratory Viral Panel 2</b><br>Real-time RT-PCR for detection of Parainfluenza 1-4, Bocavirus  |             | x          | 50112       | 50  |
| <b>ampliCube Respiratory Viral Panel 3</b><br>Real-time RT-PCR for detection of Parechovirus, Metapneumovirus, RSV (A,B)  |             | x          | 50122       | 50  |
| <b>ampliCube Respiratory Viral Panel 4</b><br>Real-time RT-PCR for detection of Rhinovirus/Enterovirus, Adenovirus  |             | x          | 50132       | 50  |
| <b>ampliCube Respiratory Viral Panel 5</b><br>Real-time RT-PCR for detection of Influenza A, Influenza B, RSV (A, B)  |             | x          | 50152       | 50  |
| <b>alphaCube</b>  | single-plex | multi-plex | Article no. | rxn |
| <b>alphaCube Bordetella</b><br>Real-time PCR for detection of Bordetella pertussis, Bordetella parapertussis  |             | x          | 830559      | 96  |
| <b>alphaCube Legionella</b><br>Real-time PCR for detection of Legionella pneumophila  | x           |            | 830539      | 96  |
| <b>alphaCube PanLegionella</b><br>Real-time PCR for detection of Legionella spec.   | x           |            | 830535      | 96  |
| <b>alphaCube MTB</b><br>Real-time PCR for detection of Mycobacterium tuberculosis complex   | x           |            | 830561      | 96  |
| <b>alphaCube MTB/NTM/MAC</b><br>Real-time PCR for the detection of Mycobacterium tuberculosis complex (MTB), Non Tuberculous Mycobacteria (NTM) and Mycobacterium avium complex (MAC) |             | x          | 830566      | 96  |
| <b>alphaCube Pjirovecii quant</b><br>Real-time PCR for the detection & quantification of Pneumocystis jirovecii   | x           |            | 830580      | 96  |
| <b>alphaCube Entero 2.0</b><br>Real-time RT-PCR for detection of Enterovirus (Coxsackievirus A, Coxsackievirus B, Echovirus, numbered Enteroviruses, Polioviruses)                    | x           |            | 830509      | 96  |
| <b>alphaCube respiraRNA 3.0</b><br>Real-time RT-PCR for detection of Influenza A and B, Respiratory Syncytial Virus (RSV)   |             | x          | 830507      | 96  |

## Gastrointestinal Infections

|  |             |            |             |     |
|--|-------------|------------|-------------|-----|
| <b>ampliCube</b>   | single-plex | multi-plex | Article no. | rxn |
| <b>ampliCube Gastrointestinal Bacterial Panel 1</b><br>Real-time PCR for detection of Campylobacter, Salmonella, Yersinia enterocolitica                                   |             | x          | 50001       | 50  |
| <b>ampliCube Gastrointestinal Bacterial Panel 2</b><br>Real-time PCR for detection of EHEC/VTEC (STX1+2), Shigella/EIEC and ETEC   |             | x          | 50011       | 50  |
| <b>ampliCube Gastrointestinal Viral Panel 1</b><br>Real-time RT-PCR for detection of Norovirus (Genogroup I and II), Rotavirus, Adenovirus                                 |             | x          | 50002       | 50  |
| <b>ampliCube Gastrointestinal Viral Panel 2</b><br>Real-time RT-PCR for detection of Sapovirus, Astrovirus   |             | x          | 50012       | 50  |
| <b>alphaCube</b>   | single-plex | multi-plex | Article no. | rxn |
| <b>alphaCube gastroplexVirus</b><br>Real-time RT-PCR for detection of Norovirus (Genogroup I & II), Adenovirus, Rotavirus  |             | x          | 830501      | 96  |
| <b>alphaCube gastroplexVirus PLUS 2.0</b><br>Real-time RT-PCR for detection of Norovirus Genogroup I, Norovirus Genogroup II, Adenovirus, Rotavirus, Astrovirus, Sapovirus |             | x          | 830503      | 96  |
| <b>alphaCube Entero 2.0</b><br>Real-time RT-PCR for detection of Enterovirus (Coxsackievirus A, Coxsackievirus B, Echovirus, numbered Enteroviruses, Polioviruses)         | x           |            | 830509      | 96  |
| <b>alphaCube Noro</b><br>Real-time RT-PCR for detection of Norovirus (Genogroup I & II)  | x           |            | 830513      | 96  |



## Sexually Transmitted Diseases

| <i>ampliCube</i>   | single-plex | multi-plex | Article no. | rxn |
|--|-------------|------------|-------------|-----|
| <b><i>ampliCube</i> STD Panel 1</b><br>Real-time PCR for detection of Chlamydia trachomatis, Neisseria gonorrhoeae, Mycoplasma genitalium  |             | x          | 50301       | 50  |
| <b><i>ampliCube</i> STD Panel 2.1</b><br>Real-time PCR for the detection of Trichomonas vaginalis, Mycoplasma hominis, Ureaplasma parvum and Ureaplasma urealyticum.<br>Test is developed for 5-channel real-time PCR cyler. |             | x          | 50322       | 50  |
| <b><i>ampliCube</i> STD Panel 2.1 LC</b><br>Test is designed for use on the Roche LightCycler® 480 II only.  |             | x          | 50312       | 50  |
| <b><i>ampliCube</i> STD Panel 3</b><br>Real-time PCR for detection of Herpes Simplex Virus (1, 2), Treponema pallidum  |             | x          | 50303       | 50  |

## Tick-borne Infections

| <i>alphaCube</i>  | single-plex | multi-plex | Article no. | rxn |
|---|-------------|------------|-------------|-----|
| <b><i>alphaCube</i> Babesia</b><br>Real-time PCR for detection of Babesia divergens, Babesia microti and Babesia sp. EU1        | x           |            | 830525      | 96  |
| <b><i>alphaCube</i> Borrelia</b><br>Real-time PCR for detection of Borrelia burgdorferi (sensu lato)                            | x           |            | 830527      | 96  |
| <b><i>alphaCube</i> Borrelia/Rickettsia</b><br>Real-time PCR for detection of Borrelia burgdorferi (sensu lato) and Rickettsia. |             | x          | 830576      | 96  |
| <b><i>alphaCube</i> Ehrlichia</b><br>Real-time PCR for detection of E. chaffeensis, E. ewingii, Anaplasma phagocytophilum       | x           |            | 830533      | 96  |
| <b><i>alphaCube</i> Rickettsia</b><br>Real-time PCR for detection of Rickettsia   | x           |            | 830574      | 96  |
| <b><i>alphaCube</i> TBE</b><br>Real-time RT-PCR for detection of Tick Borne Encephalitis virus                                  | x           |            | 830519      | 96  |
| <b><i>alphaCube</i> TBE/WNV</b><br>Real-time PCR for detection of Tick Borne Encephalitis virus, West Nile virus                |             | x          | 830568      | 96  |
| <b><i>alphaCube</i> Q-Fever</b><br>Real-time PCR for detection of Coxiella burnetii   | x           |            | 830555      | 96  |

## Tropical Fever

| <i>alphaCube</i>   | single-plex | multi-plex | Article no. | rxn |
|--|-------------|------------|-------------|-----|
| <b><i>alphaCube</i> TBE/WNV</b><br>Real-time PCR for detection of Tick Borne Encephalitis virus, West Nile virus                                       |             | x          | 830568      | 96  |
| <b><i>alphaCube</i> Tropical Fever 1</b><br>Real-time RT-PCR for detection of Zika virus, Chikungunya virus, Dengue viruses 1-4 and Yellow Fever virus |             | x          | 830563      | 96  |

## Hepatitis E

| <i>ampliCube</i>  | single-plex | multi-plex | Article no. | rxn |
|---|-------------|------------|-------------|-----|
| <b><i>ampliCube</i> HEV 2.0 Quant</b><br>Real-time RT-PCR for detection & quantification of HEV (Hepatitis E virus) | x           |            | 55002       | 50  |



## Multi Drug Resistance

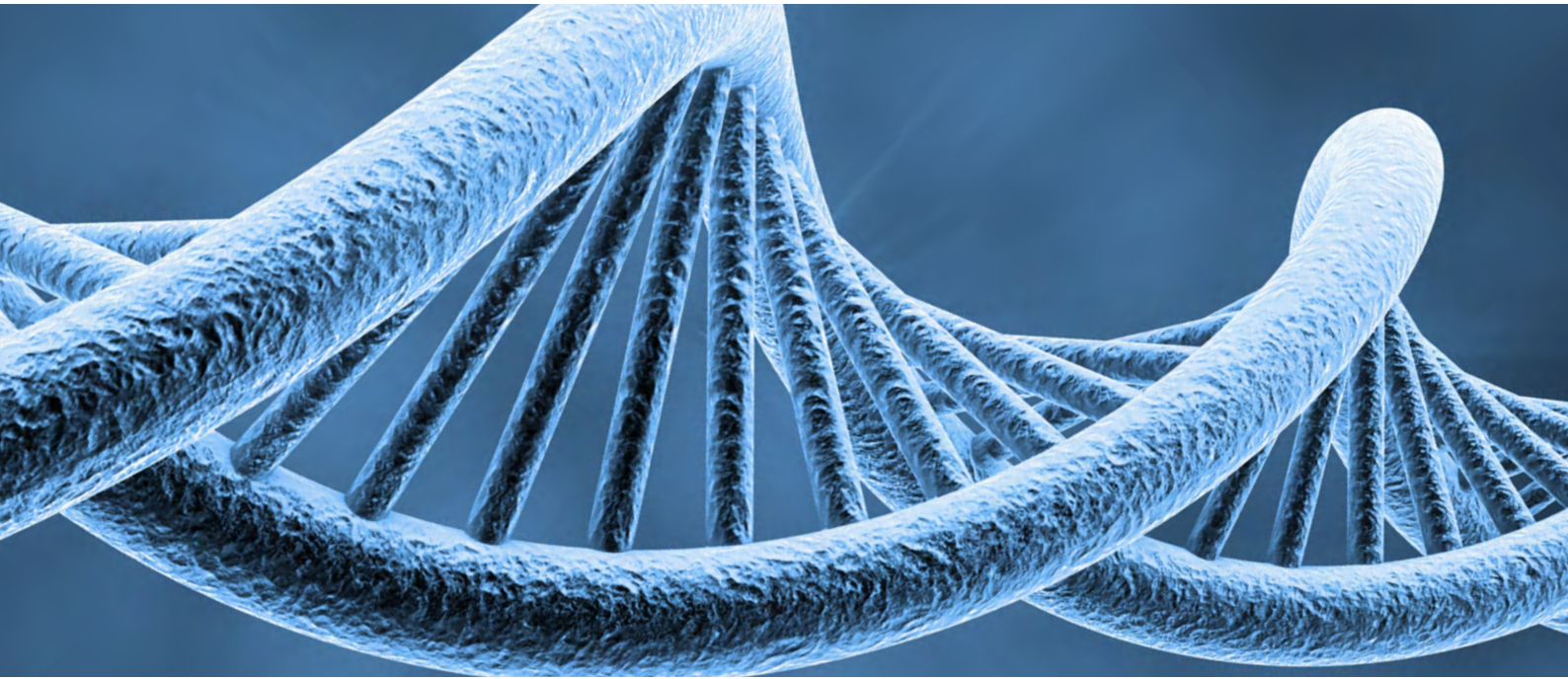
| <i>ampliCube</i>  | single-plex | multi-plex | Article no. | rxn |
|---|-------------|------------|-------------|-----|
| <b><i>ampliCube</i> MDR Panel 1</b><br>Real-time PCR for detection of NDM, KPC, GIM (German Imipenemase)  |             | x          | 50401       | 50  |
| <b><i>ampliCube</i> MDR Panel 2</b><br>Real-time PCR for detection of NDM, KPC, SPM (Sao Paulo Metallo-β-Lactamase)                                     |             | x          | 50402       | 50  |
| <b><i>ampliCube</i> MDR Panel 3</b><br>Real-time PCR for detection of CTX-M15 (group 1) and CTX-M14 (group 9)   |             | x          | 50403       | 50  |
| <b><i>ampliCube</i> MDR Panel 4</b><br>Real-time PCR for detection of IMP, VIM, OXA-48-like   |             | x          | 50404       | 50  |
| <b><i>ampliCube</i> MDR Panel 5</b><br>Real-time PCR for detection of NDM, OXA-23-like / OXA-24/40-like; OXA-58-like; ISAb <sub>a</sub> 1 / OXA-51-like |             | x          | 50405       | 50  |
| <b><i>ampliCube</i> MDR Panel 6</b><br>Real-time PCR for detection of <i>cf</i> r (A/B) / <i>optrA</i> , <i>vanA</i> , <i>vanB</i>                      |             | x          | 50406       | 50  |

## Others

| <i>alphaCube</i>   | single-plex | multi-plex | Article no. | rxn |
|--|-------------|------------|-------------|-----|
| <b><i>alphaCube</i> GBS</b><br>Real-time PCR for detection of <i>Streptococcus agalactiae</i> (Group B <i>Streptococcus</i> (GBS))   | x           |            | 830547      | 96  |
| <b><i>alphaCube</i> HSV/VZV</b><br>Real-time PCR for detection of Herpes Simplex Virus (HSV-1, HSV-2), Varicella Zoster virus  |             | x          | 830572      | 96  |
| <b><i>alphaCube</i> Monkeypox virus (RUO)</b><br>Reagents to detect the DNA of Monkeypox virus (OPG185 gene). The test principle is a real-time PCR with subsequent melting curve analysis.<br>For research use only (RUO). Not for use in diagnostic processes.                     | x           |            | 830581      | 96  |
| <b><i>alphaCube</i> MRSA 3.0</b><br>Real-time PCR for detection of methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). The PCR targets are the <i>orfX/SSCmec</i> junction and the <i>mecA/mecC</i> genes.  |             | x          | 830557      | 96  |
| <b><i>alphaCube</i> PVL-MRSA</b><br>Real-time PCR for detection of methicillin-resistant <i>S. aureus</i> (MRSA), methicillin-sensitive <i>S. aureus</i> (MSSA), methicillin-resistant coagulase-negative <i>S.</i> (MRConS), Community-acquired MRSA (PVL toxin, pathogenic factor) |             | x          | 830570      | 96  |

## Additional reagents

|  | Article no. | runs |
|--|-------------|------|
| <b><i>ampliCube</i> Color Compensation Kit (for Roche LightCycler® 480 II)</b>   | 50502       | 2    |
| <b><i>ampliCube</i> Color Compensation Kit (for Roche cobas z 480 Analyzer)</b>  | 50503       | 2    |
| <b><i>ampliCube</i> Dye calibration kit for the Quant Studio</b>   | 50504       | 2    |
| <b><i>ampliCube</i> CFX 96 (BioRad) dye calibration</b>  | 50505       | 2    |
| <b><i>alphaCube</i> LC480 Color Compensation</b>   | 831009      | 1    |
| <b><i>alphaCube</i> LC480 Color Compensation 2</b> (for <i>alphaCube</i> respiraRNA 3.0 [830507, 830508] only)<br>Color Compensation Kits and Dye Calibration Kits are used for dye calibration of a real-time PCR cycler with the aim to compensate dye overlaps between the dye channels. In order to analyze Multiplex real-time PCR kits on the LightCycler® 480 II or cobas z 480 analyzer, a Color Compensation File must be created in advance. <b>When using Quant Studio 5 (QS5) or CFX (BioRad), a calibration must be performed in advance.</b> | 831032      | 1    |



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