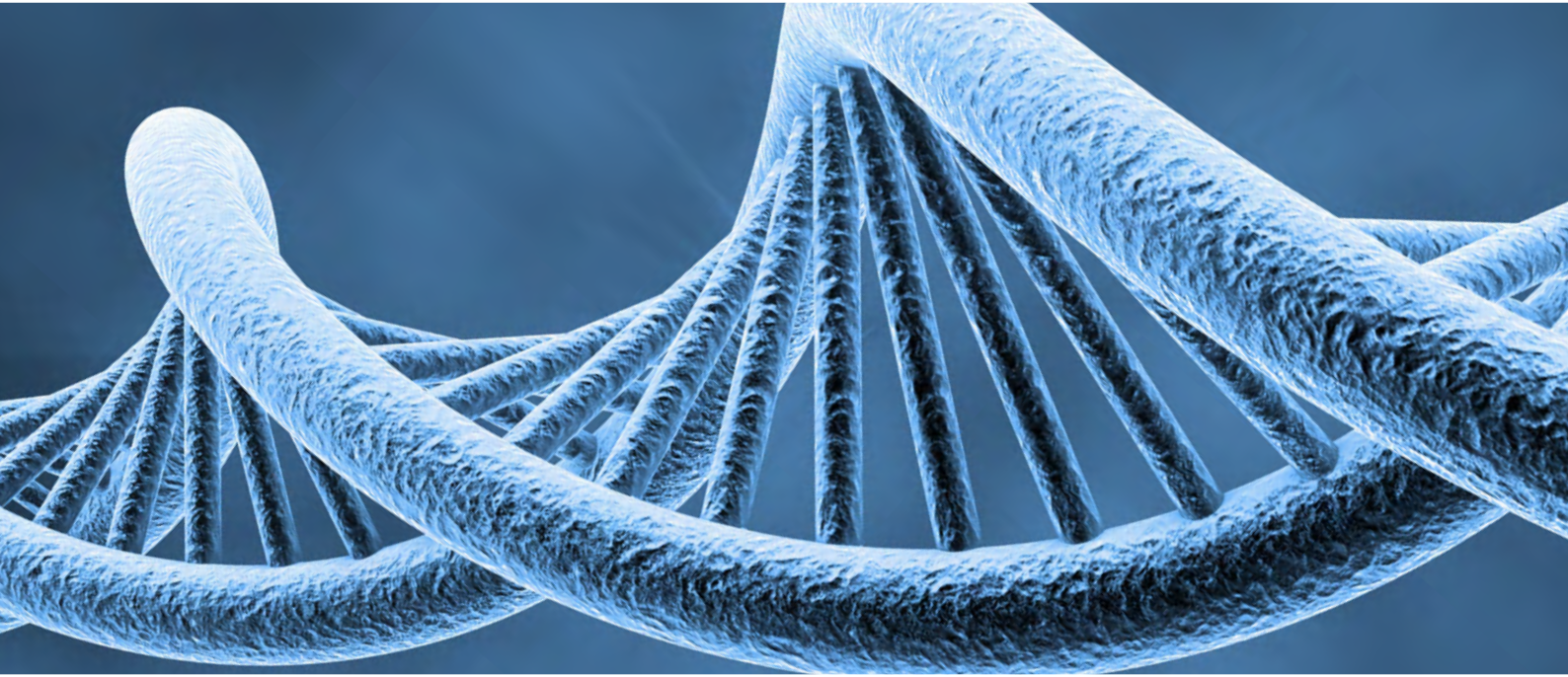
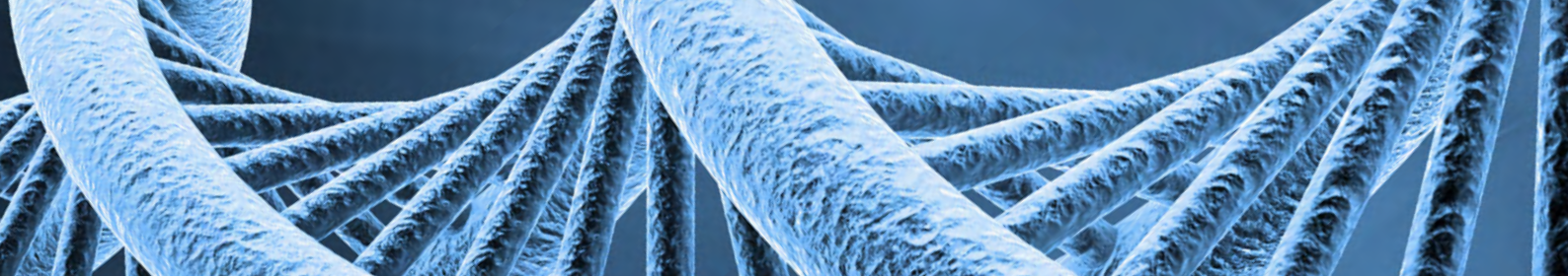


**MIKROGEN**  
D I A G N O S T I K



## **MOLECULAR DIAGNOSTICS FOR INFECTIOUS DISEASES**

**Real-Time PCR  
PCR Positive Controls  
DNA & RNA Extraction**



# EASY, SAFE, FLEXIBLE AND COMPATIBLE

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

### Sample Preparation, Nucleic Acid Extraction

Compatible with *alphaClean* Pure RNA/DNA, *alphaClean* Mag RNA/DNA and most common nucleic acid extraction kits



### Amplification and Detection

### PCR Reaction

Easy handling: complete PCR kits with ready-to-use reagents

Cycler	<i>ampliCube</i>	<i>alphaCube</i>
Roche LightCycler® 480 Instrument II	validated	validated
Qiagen Rotor-Gene® Q	validated	validated
Bio-Rad CFX 96	validated	compatible
Applied Biosystems (QuantStudio™ 5 Dx)	validated	compatible
MIC (Magnetic Induction Cycler)	validated	validated
Stratagene Mx3000P	compatible	validated
Applied Biosystems (ABI 7500, ABI 7300)	compatible	
On request information for other PCR cyclers		

### Safe diagnosis

- High sensitivity and specificity
- High safety: internal control for monitoring nucleic acid (RNA/DNA) extraction 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

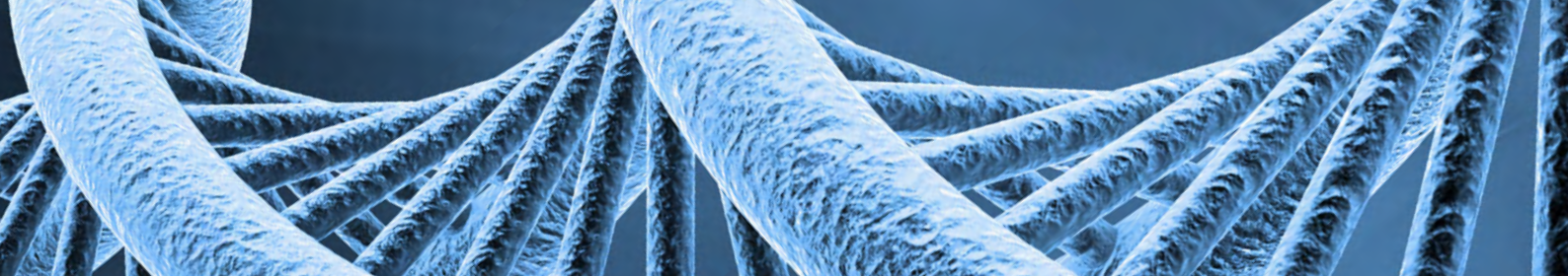
### Flexible and compatible

- 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</b> Real-time PCR for detection & semi-quantification of Chlamydia pneumoniae, Mycoplasma pneumoniae, Legionella spp.		x	50101	50
<b><i>ampliCube</i> Respiratory Bacterial Panel 2</b> Real-time PCR for detection of Bordetella pertussis, Bordetella parapertussis, Bordetella holmesii		x	50111	50
<b><i>ampliCube</i> Respiratory Bacterial Panel 3</b> Real-time PCR for detection & semi-quantification of Streptococcus pneumoniae, Staphylococcus aureus, Haemophilus influenzae		x	50121	50
<b><i>ampliCube</i> Respiratory Bacterial Panel 4</b> Real-time PCR for detection & semi-quantification of Moraxella catarrhalis, Klebsiella pneumoniae/oxytoca		x	50131	50
<b><i>ampliCube</i> Respiratory Viral Panel 1</b> Real-time RT-PCR for detection of Influenza A, Influenza B, Influenza A H1N1		x	50102	50
<b><i>ampliCube</i> Respiratory Viral Panel 2</b> Real-time RT-PCR for detection of Parainfluenza 1-4, Bocavirus		x	50112	50
<b><i>ampliCube</i> Respiratory Viral Panel 3</b> Real-time RT-PCR for detection of Parechovirus, Metapneumovirus, RSV (A,B)		x	50122	50
<b><i>ampliCube</i> Respiratory Viral Panel 4</b> Real-time RT-PCR for detection of Rhinovirus/Enterovirus, Adenovirus		x	50132	50
<b><i>ampliCube</i> Coronavirus Panel</b> Real-time RT-PCR for detection of Middle East Respiratory Syndrome Coronavirus (MERS-CoV), Coronavirus (NL63, OC43, 229E, HKU1)		x	50142	50
<i>alphaCube</i>	single-plex	multi-plex	Article no	rxn
<b><i>alphaCube</i> Bordetella</b> Real-time PCR for detection of Bordetella pertussis, Bordetella parapertussis		x	830559 830560	96 32
<b><i>alphaCube</i> Legionella</b> Real-time PCR for detection of Legionella pneumophila	x		830539 830540	96 32
<b><i>alphaCube</i> PanLegionella</b> Real-time PCR for detection of Legionella spec.	x		830535 830536	96 32
<b><i>alphaCube</i> MTB</b> Real-time PCR for detection of Mycobacterium tuberculosis complex	x		830561 830562	96 32
<b><i>alphaCube</i> MTB/NTM/MAC</b> Real-time PCR for the detection of DNA of Mycobacterium tuberculosis complex (MTB), Non Tuberculous Mycobacteria (NTM) and Mycobacterium avium complex (MAC)		x	830566 830567	96 32
<b><i>alphaCube</i> Entero 2.0</b> Real-time RT-PCR for detection of Enterovirus (Coxsackievirus A, Coxsackievirus B, Echovirus, numbered Enteroviruses, Polioviruses)	x		830509 830510	96 32
<b><i>alphaCube</i> Entero 2.0 LC</b> Kit is designated for Roche LightCycler 1.5 or 2.0			830511 830512	96 32
<b><i>alphaCube</i> RespiraRNA 2.0</b> Real-time RT-PCR for detection of Influenza A and B, Respiratory Syncytial Virus (RSV)		x	830507 830508	96 32



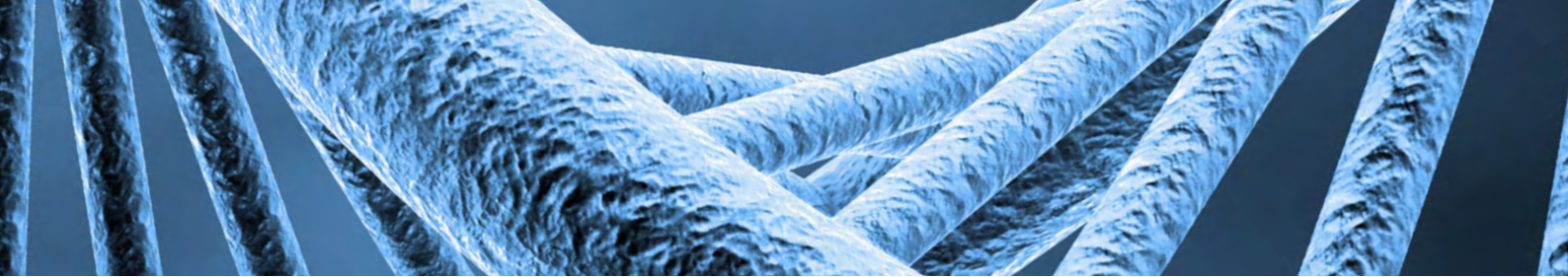
## Gastrointestinal Infections

<i>ampliCube</i>	single-plex	multi-plex	Article no	rxn
<b><i>ampliCube Gastrointestinal Bacterial Panel 1</i></b> Real-time PCR for detection of Campylobacter, Salmonella, Yersinia enterocolitica		x	50001	50
<b><i>ampliCube Gastrointestinal Bacterial Panel 2</i></b> Real-time PCR for detection of VTEC (STX1+2), Shigella/EIEC and ETEC		x	50011	50
<b><i>ampliCube Gastrointestinal Viral Panel 1</i></b> Real-time RT-PCR for detection of Norovirus (Genogroup I and II), Rotavirus, Adenovirus		x	50002	50
<b><i>ampliCube Gastrointestinal Viral Panel 2</i></b> Real-time RT-PCR for detection of Sapovirus, Astrovirus		x	50012	50
<i>alphaCube</i>	single-plex	multi-plex	Article no	rxn
<b><i>alphaCube gastroplexVirus</i></b> Real-time RT-PCR for detection of Norovirus (Genogroup I & II), Adenovirus, Rotavirus		x	830501 830502	96 32
<b><i>alphaCube gastroplexVirus PLUS 2.0</i></b> Real-time RT-PCR for detection of Norovirus Genogroup I, Norovirus Genogroup II, Adenovirus, Rotavirus, Astrovirus, Sapovirus		x	830503 830504	96 32
<b><i>alphaCube Entero 2.0</i></b> Real-time RT-PCR for detection of Enterovirus (Coxsackievirus A, Coxsackievirus B, Echovirus, numbered Enteroviruses, Polioviruses)	x		830509 830510	96 32
<b><i>alphaCube Entero 2.0 LC</i></b> Kit is designated for Roche LightCycler 1.5 or 2.0			830511 830512	96 32
<b><i>alphaCube Noro</i></b> Real-time RT-PCR for detection of Norovirus (Genogroup I & II)	x		830513	96
<b><i>alphaCube Noro LC</i></b> Kit is designated for Roche LightCycler 1.5 or 2.0			830514	96




## Sexually Transmitted Diseases

<i>ampliCube</i>	single-plex	multi-plex	Article no	rxn
<b><i>ampliCube STD Panel 1</i></b> Real-time PCR for detection of Chlamydia trachomatis, Neisseria gonorrhoeae, Mycoplasma genitalium		x	50301	50
<b><i>ampliCube STD Panel 2</i></b> Real-time PCR for detection of Trichomonas vaginalis, Mycoplasma hominis, Ureaplasma urealyticum/parvum		x	50302	50
<b><i>ampliCube STD Panel 3</i></b> Real-time PCR for detection of Herpes Simplex Virus (1, 2), Treponema pallidum		x	50303	50



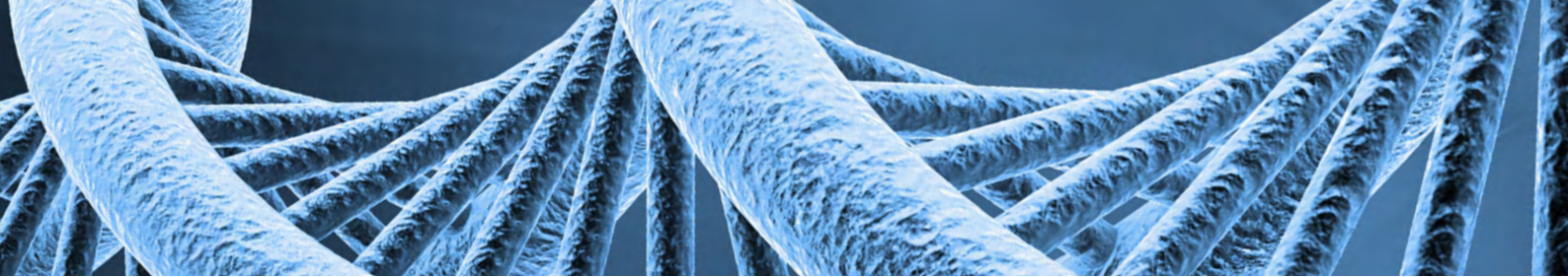
 Tick borne Infections	single-plex	multi-plex	Article no	rxn
<b>alphaCube Babesia</b> Real-time PCR for detection of Babesia divergens, Babesia microti and Babesia sp. EU1	x		830525 830526	96 32
<b>alphaCube Borrelia</b> Real-time PCR for detection of Borrelia burgdorferi (sensu lato)	x		830527 830528	96 32
<b>alphaCube Ehrlichia</b> Real-time PCR for detection of E. chaffeensis, E. ewingii, Anaplasma phagocytophilum	x		830533 830534	96 32
<b>alphaCube TBE</b> Real-time RT-PCR for detection of Tick Borne Encephalitis Virus	x		830519 830520	96 32
<b>alphaCube TBE LC</b> Kit is designated for Roche LightCycler 1.5 or 2.0			830521 830522	96 32
<b>alphaCube Q-Fever</b> Real-time PCR for detection of Coxiella burnetii	x		830555 830556	96 32

 Tropical Fever	single-plex	multi-plex	Article no	rxn
<b>ampliCube Zika Virus</b> Real-time RT-PCR for detection of Zika Virus (ZIKV) RNA	x		57801	50
<b>alphaCube Tropical Fever 1</b> Real-time RT-PCR for detection of Zika Virus, Chikungunya Virus, Dengue Viruses 1-4 and Yellow Fever Virus		x	830563 830564	96 32

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

Others	single-plex	multi-plex	Article no	rxn
<b>alphaCube MRSA 3.0</b> Real-time PCR for detection of methicillin-resistant Staphylococcus aureus (MRSA). The PCR targets are the orfX/SSCmec junction and the mecA/mecC genes.		x	830557 830558	96 32
<b>alphaCube GBS</b> Real-time PCR for detection of Streptococcus agalactiae (Group B Streptococcus (GBS))	x		830547 830548	96 32

Color Compensation	Article no	Size
<b>ampliCube Color Compensation Kit</b>	50501	2 runs
<b>alphaCube LC480 Colour Compensation</b> Color Compensation Kits are intended for generating a Color Compensation File for real-time multiplex PCR experiments on the LightCycler® 480 II (Roche).	831009	1 run

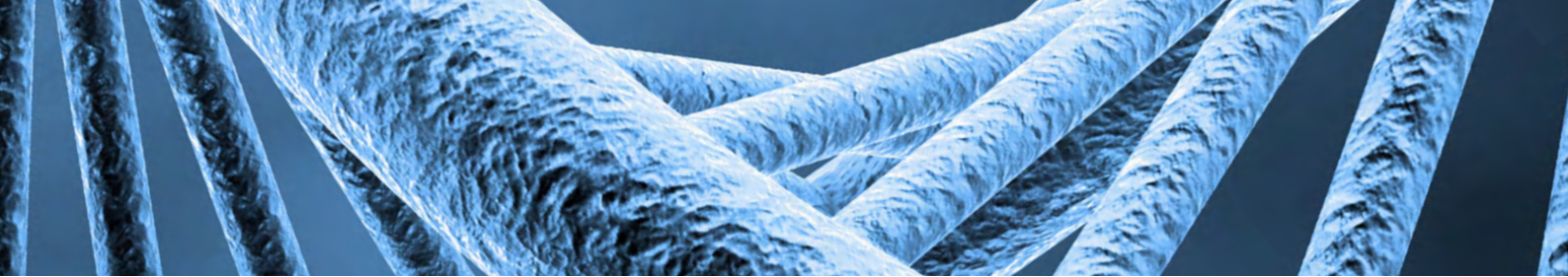


## PCR Positive Controls

- ▶ External run and process controls
- ▶ Monitor the complete analytical process from RNA/DNA extraction to amplification
- ▶ Complete, non-infectious microorganisms in buffer
- ▶ Can be combined with every commercial or in-house PCR assay
- ▶ 24 extractions à 200 µl can be performed
- ▶ Each PCR Positive Control is delivered with its Certificate of Analysis indicating the expected Ct value and approx. 100 copies / µl
- ▶ Size: 4.8 ml (4 x 1.2 ml)
- ▶ Storage: at ≤ 18°C, stability in use: 3 months at +2°C - +8°C
- ▶ CE label

Viruses	Article no
Adenovirus PCR Control	830902
Cytomegalovirus PCR Control (RUO)	830903
Epstein Barr Virus PCR Control	830906
Enterovirus RT-PCR Control	830900
Herpes Simplex Virus Typ 1 PCR Control	830904
Herpes Simplex Virus Typ 2 PCR Control	830905
Influenza A H1 RT-PCR Control	830901
Influenza A H3 RT-PCR Control	830918
Influenza B RT-PCR Control	830917
Respiratory Syncytial Virus A RT-PCR Control	830907
Respiratory Syncytial Virus B RT-PCR Control	830908
Rotavirus RT-PCR Control	830909
TBE (Tick Borne Encephalitis Virus) RT-PCR Control	830910
Varizella Zoster Virus PCR Control	830911

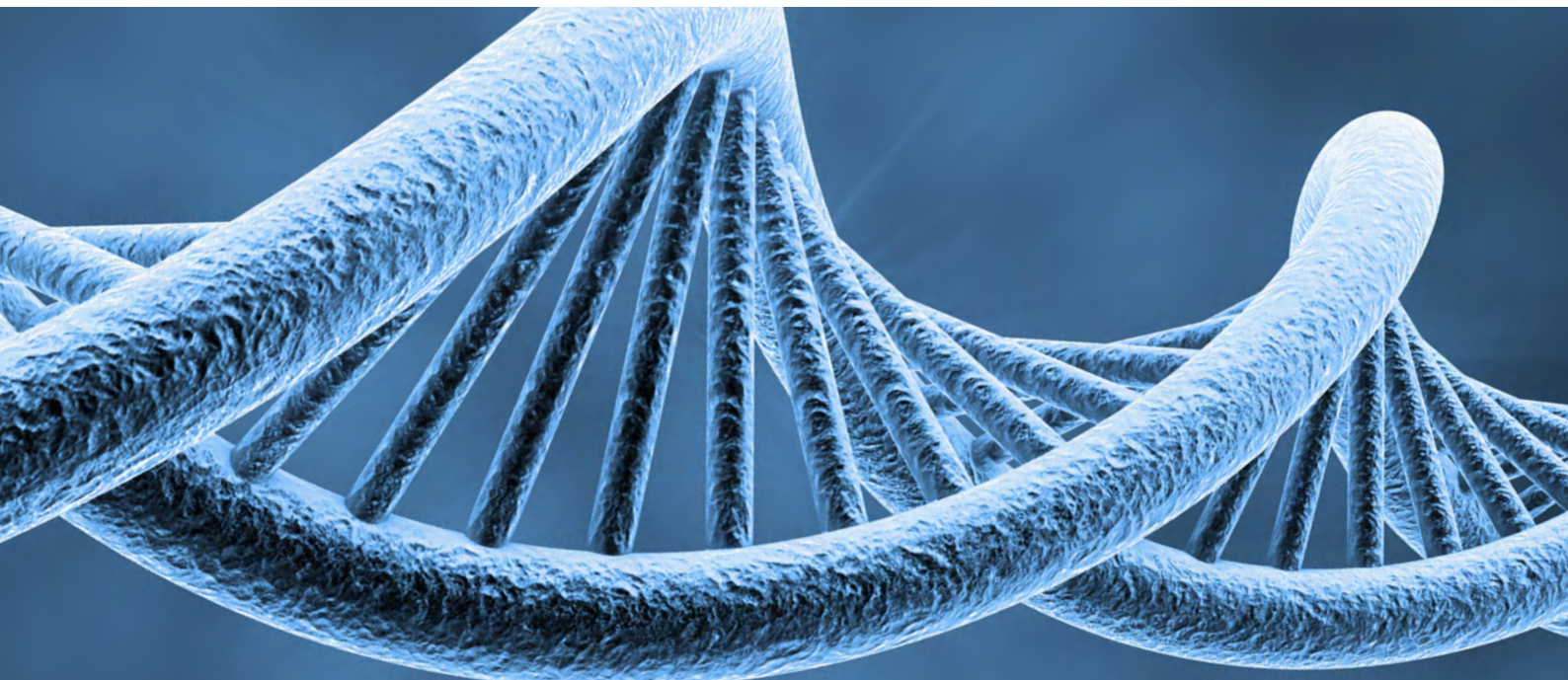
Bacteria	Article no
Bordetella parapertussis PCR Control	830919
Bordetella pertussis PCR Control	830912
Borrelia burgdorferi PCR Control	830913
Chlamydia pneumoniae PCR Control (RUO)	830914
Streptococcus agalactiae (GBS) PCR Control	830915
Mycobacterium tuberculosis complex (BCG) PCR Control	830916



## RNA & DNA extraction – our new *alphaClean* product line

Fast, easy, clean and high yields – these are requirements for an RNA & DNA extraction method in everyday laboratory work. We can contribute with our new *alphaClean* product line for the isolation of nucleic acids from various starting materials.

Products and reagents for sample preparation	Storage	Article no	Size
<b><i>alphaClean Pure RNA/DNA</i></b> Spin-column-based system for the isolation of nucleic acid (RNA, DNA) from clinical specimens (e.g. blood, urine, tissue, stool, etc.), food and environmental samples.	RT	831003 831004	50 isolations 200 isolations
<b><i>alphaClean Mag RNA/DNA</i></b> The <i>alphaClean Mag RNA/DNA Kit</i> is designed for rapid manual and automated purification of nucleic acids from a wide range of samples (e.g. human samples, veterinary samples, insects, food samples, etc.).	RT	831001 831002	100 isolations 200 isolations
<b><i>alphaClean Proteinase K</i></b> Proteinase K, molecular biological grade, lyophilized.	RT	831007	50 mg
<b><i>alphaClean Nucleic Acid Release Reagent</i></b> Reagent for the enzymatic release of nucleic acid from tissue samples, ticks, insects and swabs.	- 20°C	831000	100 (3 x 10 ml)
<b><i>alphaClean Plus Nucleic Acid Release Reagent</i></b> Reagent for the enzymatic release of nucleic acid from swabs and cell culture suspensions.	- 20°C	831013	100 (4 x 8.75 ml)
<b><i>alphaClean TS (tissue shred)</i></b> Reaction tubes, filled with shredding material for manual preparation of tissue samples, plant material, ticks and insects.			
1.5 ml reaction tubes using a pestle	RT	831016	100
2.0 ml-screw cap reaction tubes using e.g. FastPrep cell disrupter	RT	831017	100
2.0 ml reaction tube using e.g. TissueLyser	RT	831018	100
<b><i>alphaClean Collection tube</i></b> 2 ml collection tubes suitable for use with <i>alphaClean Pure RNA/DNA Spin-column</i> . DNase-, RNase-, pyrogen-free.	RT	831008	500



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