

Use the gold standard controls in PCR

# DNA/RNA Controls

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## Bio Products

### PCR controls containing complete purified DNA or RNA from a wide range of infectious agents

The new range of DNA and RNA controls has been developed to allow the amplification and testing of any region of the genome which is present in natural infections.

Controls are obtained from virus-infected cells and bacteria, serving as positive controls in nucleic acid amplification reactions, as well as controls for the detection of viral and bacterial sequences in nucleic acid hybridization reactions.

#### INTENDED USE

Positive controls in conventional and RT-PCR or amplification of the genotype of interest.

#### PRESENTATION

Lyophilized controls for reconstitution in sterile bi-distilled water.

#### PREPARATION

The DNA and RNA controls have been isolated from cultures and confirmed by PCR using specific oligonucleotides, obtained from repeated sequences publicly available.

#### CONCENTRATION

in 50 ng/μl and 12.500 copies/μl, for the quantified controls, when reconstituted.

#### SHELF LIFE

2 years for DNA and 1 year for RNA, as long as they are kept frozen as indicated in their instructions for use.

#### STORAGE

On receipt, users are advised to reconstitute the controls, make aliquots, and store them at temperatures between -5 and -40°C for DNA and between -70 and -90°C for RNA.

The response of the controls after repeated freeze/thaw cycles has been tested and both, DNA and RNA, maintain their quality and performance. Still, we recommend users to avoid unnecessary freezing and thawing, in order to prevent degradation or contamination of the controls.

# DNA/RNA Controls

## Avoid variability factors!

PCR controls containing complete purified DNA or RNA of more than 70 infectious agents. These products can be used as positive controls for conventional and RT-PCR.

Product	Cat. No.
ACANTHAMOEBA CASTELLANI DNA CONTROL	MBC054
ADENOVIRUS DNA CONTROL	MBC001 <i>quantified</i>
ASPERGILLUS FUMIGATUS DNA CONTROL	MBC002
BACILLUS CEREUS DNA CONTROL	MBC004
BARTONELLA HENSELAE DNA CONTROL	MBC005
BARTONELLA QUINTANA DNA CONTROL	MBC006
BK VIRUS DNA CONTROL	MBC051 <i>quantified</i>
BORDETELLA PARAPERTUSSIS DNA CONTROL	MBC007
BORDETELLA PERTUSSIS DNA CONTROL	MBC008
BORRELIA AFZELII DNA CONTROL	MBC078 <i>quantified</i>
BORRELIA BURGENDORFERI DNA CONTROL	MBC076 <i>quantified</i>
BORRELIA GARINII DNA CONTROL	MBC077 <i>quantified</i>
BRUCELLA ABORTUS DNA CONTROL	MBC009
CANDIDA ALBICANS DNA CONTROL	MBC010
CHLAMYDIA TRACHOMATIS DNA CONTROL	MBC012 <i>quantified</i>
CHLAMYDOPHILA PNEUMONIAE DNA CONTROL	MBC011 <i>quantified</i>
CHLAMYDOPHILA PSITTACI DNA CONTROL	MBC013
COCCIDIOIDES IMMITIS DNA CONTROL	MBC014
COXIELLA BURNETII DNA CONTROL	MBC018
COXSACKIE A6 RNA CONTROL	MBC063
COXSACKIE B1 RNA CONTROL	MBC061
COXSACKIE B5 RNA CONTROL	MBC062
CRYPTOCOCCUS NEOFORMANS DNA CONTROL	MBC015
CYTOMEGALOVIRUS DNA CONTROL	MBC016 <i>quantified</i>
DENGUE 1 VIRUS RNA CONTROL	MBC055
DENGUE 2 VIRUS RNA CONTROL	MBC056
DENGUE 3 VIRUS RNA CONTROL	MBC057
DENGUE 4 VIRUS RNA CONTROL	MBC058
ECHOVIRUS 5 RNA CONTROL	MBC064
ENTEROVIRUS 71 RNA CONTROL	MBC019
EPSTEIN-BARR VIRUS DNA CONTROL	MBC065 <i>quantified</i>
HAEMOPHILUS DUCREYI DNA CONTROL	MBC021
HAEMOPHILUS INFLUENZAE DNA CONTROL	MBC020
HERPES SIMPLEX 1 DNA CONTROL	MBC023 <i>quantified</i>
HERPES SIMPLEX 2 DNA CONTROL	MBC024 <i>quantified</i>
HHV-6 DNA CONTROL	MBC025 <i>quantified</i>

Product	Cat. No.
INFLUENZA A H1 RNA CONTROL	MBC028
INFLUENZA A H3 RNA CONTROL	MBC029
INFLUENZA A H5 RNA CONTROL	MBC052
INFLUENZA B RNA CONTROL	MBC030
LEGIONELLA PNEUMOPHILA DNA CONTROL	MBC031 <i>quantified</i>
LEISHMANIA CHAGASI DNA CONTROL	MBC060
LEISHMANIA INFANTUM DNA CONTROL	MBC032
LISTERIA MONOCYTOGENES DNA CONTROL	MBC033
MEASLES RNA CONTROL	MBC046
MUMPS RNA CONTROL	MBC040
MYCOBACTERIUM TUBERCULOSIS DNA CONTROL	MBC034 <i>quantified</i>
MYCOPLASMA PNEUMONIAE DNA CONTROL	MBC035 <i>quantified</i>
NEISSERIA GONORRHOEAE DNA CONTROL	MBC075 <i>quantified</i>
NEISSERIA MENINGITIDIS SEROGROUP A DNA CONTROL	MBC036
NEISSERIA MENINGITIDIS SEROGROUP B DNA CONTROL	MBC066
NEISSERIA MENINGITIDIS SEROGROUP C DNA CONTROL	MBC053
NOVEL INFLUENZA A H1N1 (plasmid) DNA CONTROL	MBC081 <i>quantified</i>
PAPILLOMAVIRUS TYPE 16 (Ca Ski cells) DNA CONTROL	MBC067
PAPILLOMAVIRUS TYPE 18 (HeLa cells) DNA CONTROL	MBC068
PARAINFLUENZA 1 RNA CONTROL	MBC037
PARAINFLUENZA 2 RNA CONTROL	MBC038
PARAINFLUENZA 3 RNA CONTROL	MBC039
PARVOVIRUS B19 (plasmid) DNA CONTROL	MBC080 <i>quantified</i>
RESPIRATORY SYNCYTIAL VIRUS RNA CONTROL	MBC041
RICKETTSIA CONORII DNA CONTROL	MBC042
SALMONELLA TYPHI DNA CONTROL	MBC044
SARS CORONAVIRUS (plasmid) DNA CONTROL	MBC017 <i>quantified</i>
STAPHYLOCOCCUS AUREUS (mecA-) DNA CONTROL	MBC073
STAPHYLOCOCCUS AUREUS (mecA+) DNA CONTROL	MBC074
STREPTOCOCCUS AGALACTIAE DNA CONTROL	MBC071 <i>quantified</i>
STREPTOCOCCUS PNEUMONIAE DNA CONTROL	MBC070
TOXOPLASMA GONDII DNA CONTROL	MBC047 <i>quantified</i>
TRICHOMONAS VAGINALIS DNA CONTROL	MBC079 <i>quantified</i>
TRYPANOSOMA CRUZI DNA CONTROL	MBC059
VARICELLA-ZOSTER VIRUS DNA CONTROL	MBC048 <i>quantified</i>
WEST NILE VIRUS RNA CONTROL	MBC069

## BIOPRODUCTS

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