

MOLECULAR MICROBIAL DIAGNOSTICS

REAL-TIME PCR · Type of Pathogens

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- A detailed, green-tinted illustration of a DNA double helix structure, showing the characteristic twisted ladder shape with the sugar-phosphate backbones and the nitrogenous base pairs connecting them. The image is set against a dark green background with a subtle grid pattern.
- KITS FOR EARLY DIAGNOSTICS
AND MONITORING OF VARIOUS DISEASES
 - VALIDATION ON VARIOUS TYPES
OF THERMOCYCLERS
 - INTEGRATED SYSTEM OF CONTROLS
 - UNIVERSAL PROTOCOLS FOR DNA
AND RNA SYSTEMS
 - EXTERNAL QUALITY REFERENCE TESTING

System Highlights

- Real-time PCR TaqMan system
- Hot-start technology
- Effortless handling – just infuse your DNA/RNA into the Mastermix (ready to use)
- Internal control of PCR process
 - PCR inhibition detection
 - Target primers integrity verification
 - Optional control of isolation available (ICex)
- Carry-over contamination eliminated
- Positive controls included
- GC clamps on 5'- end for better stability of primers
- Patent pending solution for stabilization of standards and positive and internal controls
- No recombinant plasmid technology
- Minimum of 12 months shelf life
- Optimal package size: 25 reactions
- MasterMix optionally in aliquots
- Probes customization

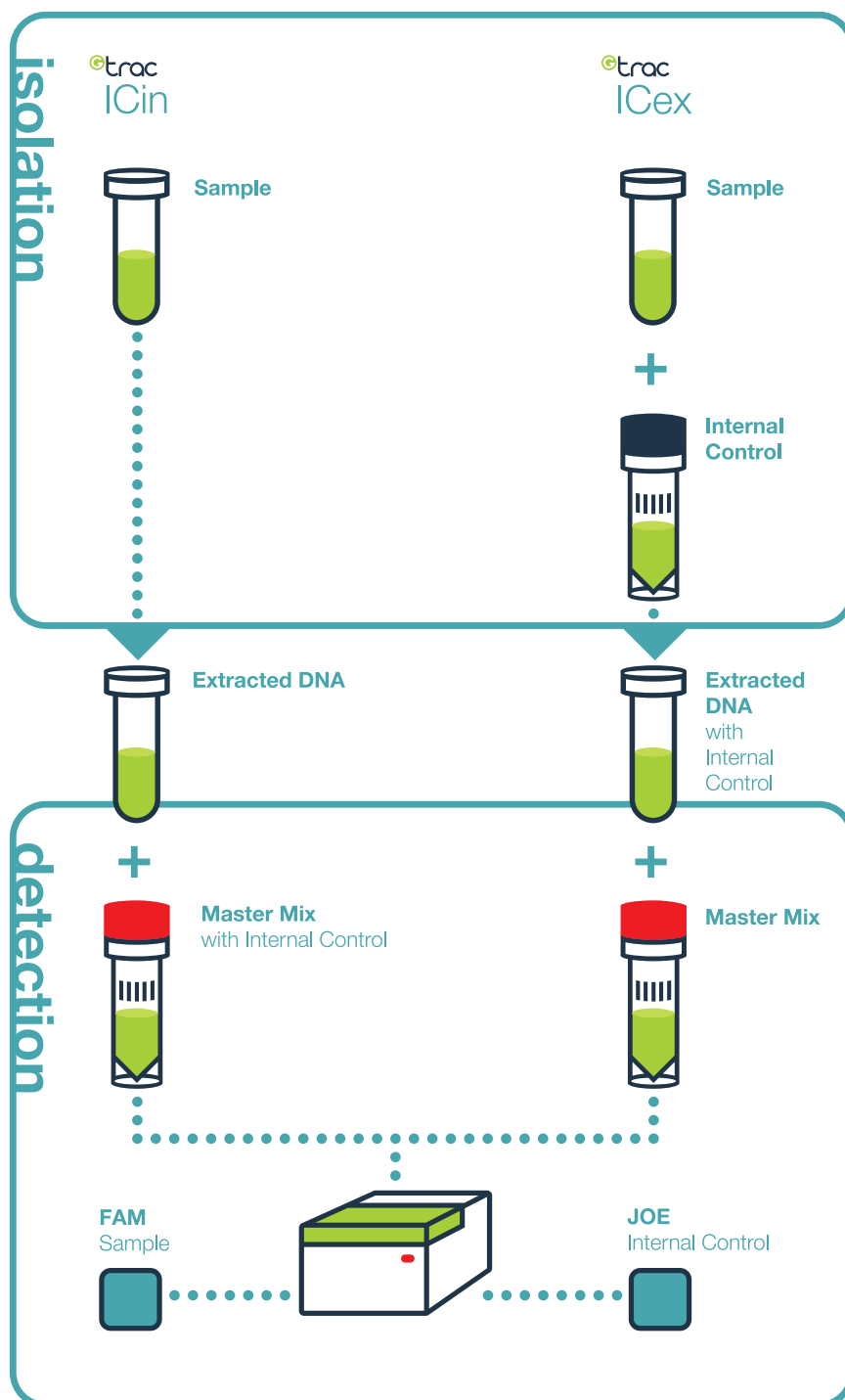
Optional Internal Control

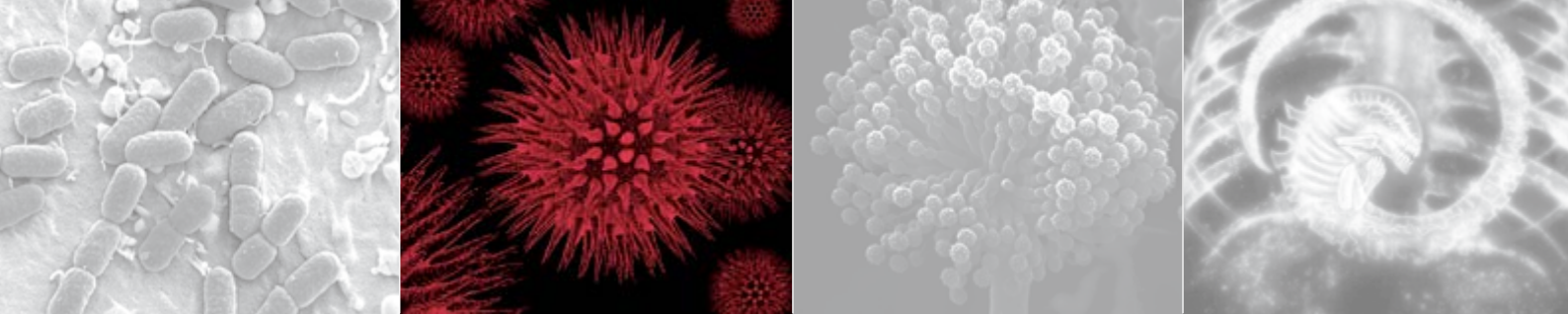
- ICin - Control of PCR Inhibition
- ICex - Control of Nucleic Acids Isolation

Sets of specific primers and fluorescent probes have been developed for direct detection of pathogens, thus enabling a more objective diagnosis.

The kits are designed for the qualitative or quantitative detection of pathogenic DNA. The test is based on real time PCR with amplification of the specific DNA or RNA sequence by polymerase chain reaction followed by the detection and measurement of the specific product using specific probes labelled with a fluorescent dye.

The kits employ “hot start” technology, which minimises non-specific reactions and provides maximum sensitivity of detection. The MasterMix provided includes DNA nucleotide dUTP and the enzyme uracil-DNA-glycosidase (UDG), which removes the potential for false positive reactions due to cross contamination. The “Internal Control” (IC) present in the MasterMix (ICin variant) is used for the control of PCR inhibition. A variant of the MasterMix (ICex variant) without an Internal Control is also available upon request.

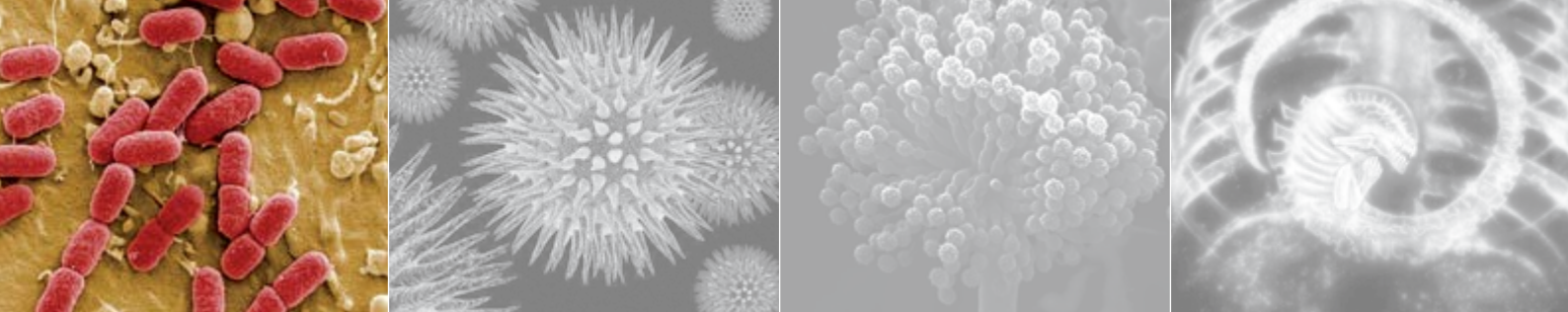




Viruses

GT-CMVin25	Cytomegalovirus DNA Quantification Kit (ICin)	in stock
GT-CMVex25	Cytomegalovirus DNA Quantification Kit (ICex)	in stock
GT-EBVin25	Epstein-Barr virus DNA Quantification Kit (ICin)	on request
GT-EBVex25	Epstein-Barr virus DNA Quantification Kit (ICex)	on request
GT-HBVin25	Hepatitis B DNA Quantification Kit (ICin)	in stock
GT-HBVex25	Hepatitis B DNA Quantification Kit (ICex)	in stock
GT-HCVin25	Hepatitis C RNA Quantification Kit (ICin)	in stock
GT-HCVex25	Hepatitis C RNA Quantification Kit (ICex)	in stock
GT-HEVin25	Hepatitis E RNA Quantification Kit (ICin)	in stock
GT-HEVex25	Hepatitis E RNA Quantification Kit (ICex)	in stock
GT-HSV1/2in25	Herpes simplex virus Type 1 / 2 DNA Quantification Kit (ICin)	in stock
GT-HSV1/2ex25	Herpes simplex virus Type 1 / 2 DNA Quantification Kit (ICex)	in stock
GT-HSV1in25	Herpes simplex virus Type 1 DNA Quantification Kit (ICin)	on request
GT-HSV1ex25	Herpes simplex virus Type 1 DNA Quantification Kit (ICex)	on request
GT-HSV2in25	Herpes simplex virus Type 2 DNA Quantification Kit (ICin)	on request
GT-HSV2ex25	Herpes simplex virus Type 2 DNA Quantification Kit (ICex)	on request
GT-PRVin25	Parvovirus B19 DNA Quantification Kit (ICin)	coming soon
GT-PRVex25	Parvovirus B19 DNA Quantification Kit (ICex)	coming soon
GT-BKVin25	Polyomavirus BKV DNA Quantification Kit (ICin)	coming soon
GT-BKVex25	Polyomavirus BKV DNA Quantification Kit (ICex)	coming soon
GT-JCVin25	Polyomavirus JCV DNA Quantification Kit (ICin)	coming soon
GT-JCVex25	Polyomavirus JCV DNA Quantification Kit (ICex)	coming soon
GT-VZVin25	Varicella Zoster virus DNA Quantification Kit (ICin)	in stock
GT-VZVex25	Varicella Zoster virus DNA Quantification Kit (ICex)	in stock

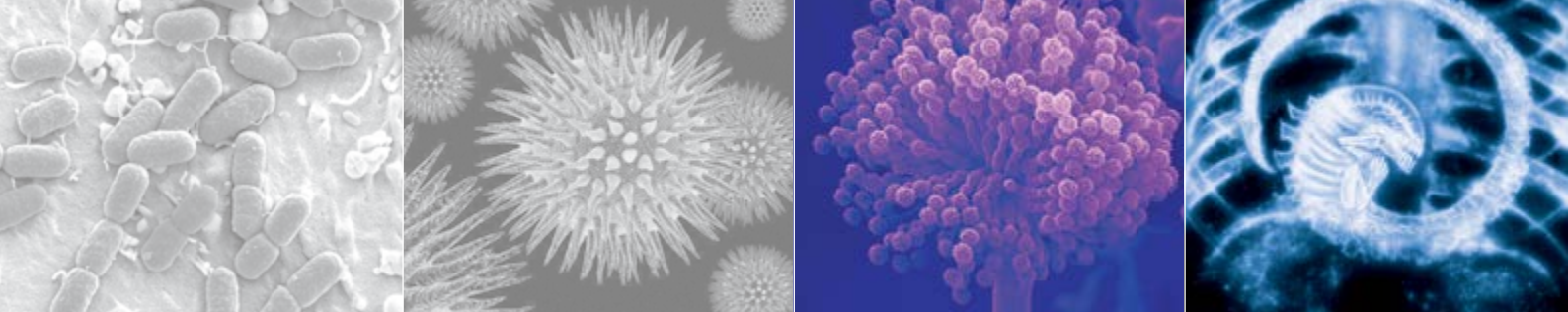
Optional Internal Control: ICin-Control of PCR Inhibition, ICex-Control of Nucleic Acids Isolation.



Bacteria

GT-BPin25	<i>Bordetella pertussis</i> DNA Detection Kit (ICin)	on request
GT-BPex25	<i>Bordetella pertussis</i> DNA Detection Kit (ICex)	on request
GT-BBin25	<i>Borrelia burgdorferi</i> DNA Detection Kit (ICin)	on request
GT-BBex25	<i>Borrelia burgdorferi</i> DNA Detection Kit (ICex)	on request
GT-ChPin25	<i>Chlamydia pneumoniae</i> DNA Detection Kit (ICin)	on request
GT-ChPex25	<i>Chlamydia pneumoniae</i> DNA Detection Kit (ICex)	on request
GT-ChTin25	<i>Chlamydia trachomatis</i> DNA Detection Kit (ICin)	in stock
GT-ChTex25	<i>Chlamydia trachomatis</i> DNA Detection Kit (ICex)	in stock
GT-GaVin25	<i>Gardnerella vaginalis</i> DNA Detection Kit (ICin)	on request
GT-GaVex25	<i>Gardnerella vaginalis</i> DNA Detection Kit (ICex)	on request
GT-LPin25	<i>Legionella pneumophila</i> DNA Detection Kit (ICin)	on request
GT-LPex25	<i>Legionella pneumophila</i> DNA Detection Kit (ICex)	on request
GT-LMin25	<i>Listeria monocytogenes</i> DNA Detection Kit (ICin)	on request
GT-LMex25	<i>Listeria monocytogenes</i> DNA Detection Kit (ICex)	on request
GT-MTin25	<i>Mycobacterium tuberculosis</i> DNA Detection Kit (ICin)	on request
GT-MTex25	<i>Mycobacterium tuberculosis</i> DNA Detection Kit (ICex)	on request
GT-MGin25	<i>Mycoplasma genitalium</i> DNA Detection Kit (ICin)	in stock
GT-MGex25	<i>Mycoplasma genitalium</i> DNA Detection Kit (ICex)	in stock
GT-MHin25	<i>Mycoplasma hominis</i> DNA Detection Kit (ICin)	in stock
GT-MHex25	<i>Mycoplasma hominis</i> DNA Detection Kit (ICex)	in stock
GT-MPin25	<i>Mycoplasma pneumoniae</i> DNA Detection Kit (ICin)	on request
GT-MPex25	<i>Mycoplasma pneumoniae</i> DNA Detection Kit (ICex)	on request
GT-NGin25	<i>Neisseria gonorrhoeae</i> DNA Detection Kit (ICin)	in stock
GT-NGex25	<i>Neisseria gonorrhoeae</i> DNA Detection Kit (ICex)	in stock
GT-SEin25	<i>Salmonella enterica</i> DNA Detection Kit (ICin)	on request
GT-SEex25	<i>Salmonella enterica</i> DNA Detection Kit (ICex)	on request
GT-UrUin25	<i>Ureaplasma urealyticum</i> DNA Detection Kit (ICin)	in stock
GT-UrUex25	<i>Ureaplasma urealyticum</i> DNA Detection Kit (ICex)	in stock

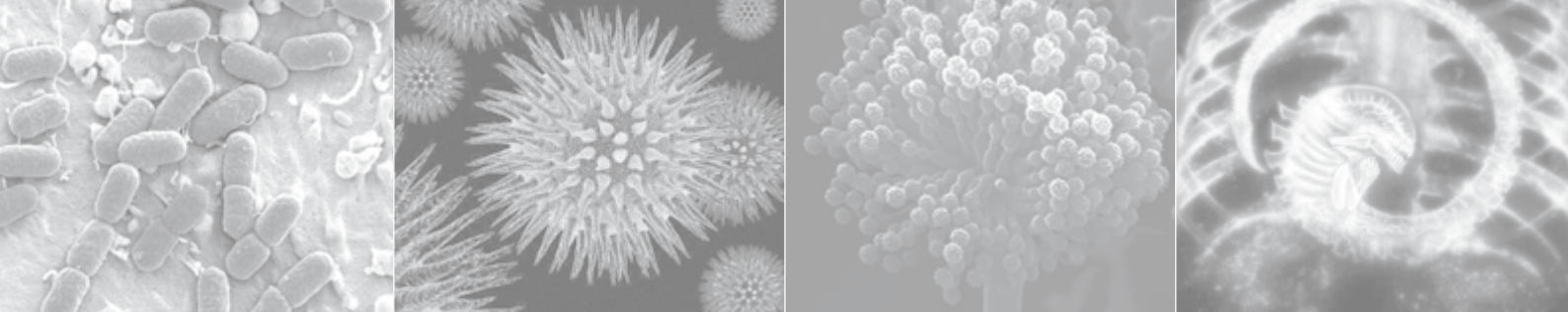
Optional Internal Control: ICin-Control of PCR Inhibition, ICex-Control of Nucleic Acids Isolation.



Fungi and Parasites

GT-AsSin25	<i>Aspergillus spp.</i> DNA Detection Kit (ICin)	on request
GT-AsSex25	<i>Aspergillus spp.</i> DNA Detection Kit (ICex)	on request
GT-CaAin25	<i>Candida albicans</i> DNA Detection Kit (ICin)	in stock
GT-CaAex25	<i>Candida albicans</i> DNA Detection Kit (ICex)	in stock
GT-CaDin25	<i>Candida dubliniensis</i> DNA Detection Kit (ICin)	on request
GT-CaDex25	<i>Candida dubliniensis</i> DNA Detection Kit (ICex)	on request
GT-CaFin25	<i>Candida fabianii</i> DNA Detection Kit (ICin)	on request
GT-CaFex25	<i>Candida fabianii</i> DNA Detection Kit (ICex)	on request
GT-CaGin25	<i>Candida glabrata</i> DNA Detection Kit (ICin)	on request
GT-CaGex25	<i>Candida glabrata</i> DNA Detection Kit (ICex)	on request
GT-CaKin25	<i>Candida krusei</i> DNA Detection Kit (ICin)	on request
GT-CaKex25	<i>Candida krusei</i> DNA Detection Kit (ICex)	on request
GT-CaPin25	<i>Candida parapsilosis</i> DNA Detection Kit (ICin)	on request
GT-CaPex25	<i>Candida parapsilosis</i> DNA Detection Kit (ICex)	on request
GT-CaTin25	<i>Candida tropicalis</i> DNA Detection Kit (ICin)	in stock
GT-CaTex25	<i>Candida tropicalis</i> DNA Detection Kit (ICex)	in stock
GT-PnJin25	<i>Pneumocystis jirovecii</i> DNA Detection Kit (ICin)	on request
GT-PnJex25	<i>Pneumocystis jirovecii</i> DNA Detection Kit (ICex)	on request
GT-TGin25	<i>Toxoplasma gondii</i> DNA Detection Kit (ICin)	on request
GT-TGex25	<i>Toxoplasma gondii</i> DNA Detection Kit (ICex)	on request
GT-TrVin25	<i>Trichomonas vaginalis</i> DNA Detection Kit (ICin)	on request
GT-TrVex25	<i>Trichomonas vaginalis</i> DNA Detection Kit (ICex)	on request

Optional Internal Control: ICin-Control of PCR Inhibition, ICex-Control of Nucleic Acids Isolation.



MIC: Magnetic Induction Cyclor (licensed by BMS)

Is a compact rotary based 48-well qPCR instrument that applies magnetic induction to achieve heating and forced airflow for cooling. Utilising a patented technology, MIC is an excellent companion to BioVendor PCR kits.

Dimensions (W x L x H)	150 x 150 x 130 mm
Weight	2.1 kg
Temperature Input Range	35 – 99 °C
Temperature Accuracy	± 0.25 °C
Temperature Uniformity	± 0.05 °C
Heating Ramp Rate	4 °C/s (fast mode)
Cooling Ramp Rate	3 °C/s (fast mode)
Channels used	FAM™, HEX™, ROX™, Cy™ 5 / Cy™5.5
Reaction Vessels	48 Samples
Reaction Volume Range	5 – 30 µl





Contact Information



BioVendor – Laboratorní medicína a.s.
Karasek 1767/1, 621 00 Brno, CZ
Phone: +420 549 124 185
E-mail: info@biovendor.com
www.biovendor.com



BioVendor – Laboratorní medicína a.s.
Karasek 1767/1, 621 00 Brno, CZ
Phone: +420 720 936 959
E-mail: info@biovendor.cz
www.biovendor.cz



TestLine Clinical Diagnostics s.r.o.
Krizikova 68, 612 00 Brno, CZ
Phone: +420 549 121 259
E-mail: sales@testlinecd.com
www.testlinecd.com