



**qPCR SOLUTIONS FOR LABORATORIES**



# **BIOEKEN R&D TECHNOLOGIES**

[www.bioeksen.com](http://www.bioeksen.com)



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# ABOUT US

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Bioeksen R&D Technologies is a leading provider of advanced **molecular infectious disease testing solutions**, specializing in high-quality qPCR kits and comprehensive laboratory services. Established with a strong foundation in academic research, Bioeksen has grown into a trusted partner for thousands of laboratories around the world.

Our commitment to innovation and adaptability drives our success. We offer a broad portfolio of products that cover a **wide range of pathogens**. Each of our kits integrates seamlessly into existing laboratory workflows, **providing highly reliable, accurate, and rapid results**.

We are proud to have developed **FDA and WHO-authorized products**, trusted globally by laboratories. To date, we have produced **over 200 million tests**, providing critical diagnostic tools to support the healthcare industry.

What truly sets Bioeksen apart is our complete support. We walk laboratories through **every step of the validation process**, provide **free training to personnel**, and offer **unmatched customer service**. Our expert team of molecular biologists, bioinformaticians, microbiologists, and biochemists is dedicated to helping our clients achieve optimal results with every test.

With same-day shipping from our **headquarters in California** and cost-effective solutions tailored to the needs of modern laboratories, Bioeksen is your trusted partner for molecular diagnostics.

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## DID YOU KNOW?

- Bioeksen is one of the few companies worldwide to develop its own quencher technology.
  - Bioeksen offers products authorized by both the WHO and FDA.
  - Bioeksen is trusted by thousands of laboratories globally.
  - Bioeksen has produced over 200 million tests to date.
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# Why Do Laboratories Trust Bioeksen Kits?

- ✓ **Enables informed decisions** for optimizing laboratory workflows.
- ✓ **Guides laboratories through the validation process** for every kit.
- ✓ **Saves time during the extraction step** with efficient 9-minute protocol.
- ✓ **Streamlines benchwork for PCR setup to 10 minutes** for faster initiation of tests.
- ✓ **Each test can be run in the same device at the same time with 60-minute protocol**, giving flexibility and saving time at the laboratory.
- ✓ **Reduces PCR analysis time to 1 second** with automated interpretation software.
- ✓ **Offers unmatched customer support** for all clients.
- ✓ **Provides free training** to educate lab personnel.
- ✓ **Delivers the best TAT** for every test with less than 90 minutes total.
- ✓ **Presents an expert team** of molecular biologists, bioinformaticians, microbiologists, and biochemists.
- ✓ **Expertise at every step** of the PCR process, from sample prep to analysis.
- ✓ **Same-day shipping** from our California headquarters.
- ✓ **Ensures customers consistently achieve the results** they need.
- ✓ **Highly cost-effective**, given the advanced technology provided.
- ✓ **Extensive variety of testing panels** to meet diverse laboratory needs.

## **BROAD PRODUCT PORTFOLIO COVERING MANY PATHOGENS IN MULTIPLEX FORMAT**



Respiratory Tract Infections



Urinary Tract Infections



Sexually Transmitted Infections



Nail Infections



Gastrointestinal Infections



Wound Infections



Women's Health

# SAMPLE TO RESULT IN <90 MIN

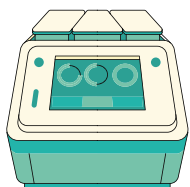
## Meet Bioeksen qPCR Solutions

Combines Bioeksen's Sample Prep Technology, High-quality qPCR Products, and Interpretation & Analysis software.

### Nucleic Acid Extraction System



1. 9 minutes of extraction for up to 32 samples.
2. Applicable to any sample type (different pre-treatment for blood samples only) and can run simultaneously.
3. No additional consumable cost - all included with reagent.
4. Deepwell plate and cartridge can run together.



### qPCR System

1. Unique thermal protocol applies to all assays.
2. Pre-loaded oligos supplied in PCR strips.
3. Tests 10-94 samples in <60 minutes.



### Automated Interpretation Software

1. Automated interpretation and reporting in 2 seconds.
2. The offline software ensures data safety.
3. Automated report-transfer to the information systems.

# ORDERING INFORMATION

RUO

**For Research Use Only (RUO). Not for use in diagnostic procedures. No claim or representation is intended to provide information for the diagnosis, prevention, or treatment of disease.**

## RESPIRATORY TRACT

Catalog No	Product Name	Tested Targets
BS-SY-SC2	Direct RT-qPCR SARS-CoV-2*	<b>Virus:</b> SARS-CoV-2
BS-SY-FR	Flu A-B/RSV RT-qPCR Kit	<b>Virus:</b> Influenza A, Influenza B, RSV A/B
BS-RT4T	Respiratory Tract 4T RT-qPCR Kit	<b>Virus:</b> SARS-CoV-2, Influenza A, Influenza B, RSV A/B
BS-SY-MX24S/T	Respiratory Tract RT-qPCR MX-24 Panel	<b>Virus:</b> SARS-CoV-2, Influenza A, Influenza B, Corona 229E-OC43- NL63- HKU1, Parainfluenza 1-2-3-4, Metapneumovirus, Adenovirus, Bocavirus, Enterovirus/Rhinovirus, Parechovirus, RSV A/B <b>Bacteria:</b> <i>Streptococcus pneumoniae</i> , <i>Legionella pneumophila</i> , <i>Mycoplasma pneumoniae</i> , <i>Chlamydomphila pneumoniae</i> , <i>Haemophilus influenzae</i> , <i>Bordetella pertussis</i>

\*Bio-Speedy® Direct RT-qCR SARS-CoV-2 is **FDA Emergency Use (EUA)** authorized.

## GASTROINTESTINAL SYSTEM

Catalog No	Product Name	Tested Targets
BS-GE-MX24S/T	Gastroenteritis RT-qPCR MX-24 Panel	<b>Virus:</b> Sapovirus (GI/GII/GIV/GV), Adenovirus, Astrovirus, Norovirus (GI/GII), Rotavirus (A) <b>Gram Positive Bacteria:</b> <i>Clostridium difficile</i> toxin A, <i>Clostridium difficile</i> toxin B, <i>Clostridium difficile</i> Binary toxin A/B <b>Gram Negative Bacteria:</b> <i>Plesiomonas shigelloides</i> , <i>Salmonella</i> spp., <i>Campylobacter</i> spp., <i>Vibrio parahaemolyticus</i> , <i>Vibrio cholerae</i> , <i>Shigella</i> /Enteroinvasive <i>E. coli</i> (EIEC), Enteraggregative <i>E. coli</i> (EAEC), Shiga-toxin producing <i>E. coli</i> (STEC), Enteropathogenic <i>E. coli</i> (EPEC), Enterotoxigenic <i>E. coli</i> (ETEC), <i>Yersinia enterocolitica</i> <b>Parasite:</b> <i>Giardia lamblia</i> , <i>Entamoeba histolytica</i> , <i>Cryptosporidium</i> spp., <i>Cyclospora cayetanensis</i>

# ORDERING INFORMATION

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## WOUND INFECTIONS

Catalog No	Product Name	Tested Targets
BS-SE-MX30S/T	Wound (Sepsis) qPCR MX-30 Panel	<p><b>Gram Positive Bacteria:</b> <i>Staphylococcus aureus</i>, <i>Staphylococcus spp.</i>, <i>Enterococcus faecium</i>, <i>Enterococcus faecalis</i>, <i>Streptococcus pneumoniae</i>, <i>Streptococcus spp.</i>, <i>Listeria monocytogenes</i></p> <p><b>Gram Negative Bacteria:</b> <i>Pseudomonas aeruginosa</i>, <i>Klebsiella pneumoniae</i>, <i>Acinetobacter baumannii</i>, <i>Haemophilus influenzae</i>, <i>Klebsiella oxytoca</i>, <i>Pseudomonas spp.</i>, <i>Enterobacteriaceae</i>, <i>Stenotrophomonas maltophilia</i>, <i>Escherichia coli</i>, <i>Neisseria meningitidis</i></p> <p><b>Fungi:</b> <i>Candida glabrata</i>, <i>Candida tropicalis</i>, <i>Candida krusei</i>, <i>Candida albicans</i>, <i>Candida parapsilosis</i></p> <p><b>Vancomycin resistance:</b> VanA, VanB</p> <p><b>Carbapenem resistance:</b> OXA 48, KPC, NDM, VIM, IMP</p> <p><b>Methicillin resistance:</b> mecA+C</p>

## URINARY TRACT INFECTIONS

Catalog No	Product Name	Tested Targets
BS-UFAR-S/T	UTI Focus + ABR Panel	<p><b>Gram Positive Bacteria:</b> <i>Staphylococcus saprophyticus</i>, <i>Streptococcus agalactiae</i>, <i>Enterococcus faecalis/faecium</i></p> <p><b>Gram Negative Bacteria:</b> <i>Acinetobacter baumannii</i>, <i>Klebsiella pneumoniae</i>, <i>Morganella morganii</i>, <i>Pseudomonas aeruginosa</i>, <i>Providencia stuartii</i>, <i>Proteus spp.</i>, <i>Escherichia coli</i>, <i>Klebsiella oxytoca</i>, <i>Klebsiella aerogenes</i>, <i>Enterobacter cloacae</i> complex, <i>Citrobacter freundii</i> complex</p> <p><b>Fungi:</b> <i>Candida albicans</i></p> <p><b>Vancomycin resistance:</b> VanA, VanB</p> <p><b>Carbapenem resistance:</b> OXA 48, KPC, NDM, VIM, IMP</p> <p><b>Methicillin resistance:</b> mecA+C</p> <p><b>Beta Lactamase Resistance:</b> CTX-M ESBL</p> <p><b>Quinolone resistance:</b> qnr</p> <p><b>Sulfonamide resistance:</b> sul</p> <p><b>Trimethoprim resistance:</b> dfrA</p>

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## WOMEN'S HEALTH

Catalog No	Product Name	Tested Targets
BS-WH-S/T	Women's Health qPCR Panel	<p><b>Virus:</b> Herpes simplex virus 1, Herpes simplex virus 2</p> <p><b>Gram Positive Bacteria:</b> Bacterial Vaginosis Associated Bacteria-2 (BVAB- 2), <i>Enterococcus faecalis</i>, <i>Fannyhessea vaginae</i>, <i>Gardnerella vaginalis</i>, <i>Lactobacillus crispatus</i>, <i>Lactobacillus jensenii</i>, <i>Lactobacillus gasseri</i>, <i>Lactobacillus iners</i>, <i>Mobiluncus curtisii</i> (Gram variable), <i>Neisseria gonorrhoeae</i>, <i>Staphylococcus aureus</i>, <i>Streptococcus agalactiae</i>, <i>Treponema pallidum</i>, <i>Trichomonas vaginalis</i>, <i>Ureaplasma urealyticum</i></p> <p><b>Gram Negative Bacteria:</b> <i>Chlamydia trachomatis</i>, <i>Escherichia coli</i>, <i>Haemophilus ducreyi</i>, <i>Megasphaera phylotype 1</i> (MP1), <i>Megasphaera phylotype 2</i> (MP2), <i>Mobiluncus mulieris</i>, <i>Mycoplasma genitalium</i>, <i>Mycoplasma hominis</i>, <i>Prevotella bivia</i></p> <p><b>Fungi:</b> <i>Candida albicans</i>, <i>Candida glabrata</i>, <i>Candida parapsilosis</i>, <i>Candida tropicalis</i></p>

## SEXUALLY TRANSMITTED INFECTIONS

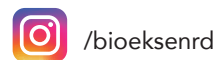
Catalog No	Product Name	Tested Targets
BS-STI-S/T	Sexually Transmitted Infections RT-qPCR Panel	<p><b>Virus:</b> Herpes Simplex Virus-1, Herpes Simplex Virus-2</p> <p><b>Gram Positive Bacteria:</b> <i>Gardnerella vaginalis</i>, <i>Neisseria gonorrhoeae</i>, <i>Treponema pallidum</i>, <i>Trichomonas vaginalis</i>, <i>Ureaplasma parvum/urealyticum</i></p> <p><b>Gram Negative Bacteria:</b> <i>Mycoplasma genitalium</i>, <i>Mycoplasma hominis</i>, <i>Chlamydia trachomatis</i></p>

# ORDERING INFORMATION

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## NAIL INFECTIONS

Catalog No	Product Name	Tested Targets
BS-NI-S/T	Nail Infections qPCR Panel	<b>Fungi:</b> <i>Aspergillus flavus</i> , <i>Aspergillus fumigatus</i> , <i>Aspergillus niger</i> , <i>Aspergillus terreus</i> , <i>Candida albicans</i> , <i>Candida auris</i> , <i>Candida glabrata</i> , <i>Candida krusei</i> , <i>Candida parapsilosis</i> , <i>Epidermophyton floccosum</i> , <i>Fusarium oxysporum</i> , <i>Malassezia furfur</i> , <i>Malassezia globosa</i> , <i>Malassezia restricta</i> , <i>Malassezia sympodialis</i> , <i>Microsporum audouinii</i> , <i>Microsporum canis</i> , <i>Microsporum gypseum</i> , <i>Trichophyton mentagrophytes/interdigitale</i> , <i>Trichophyton rubrum</i> , <i>Trichophyton soudanense</i> , <i>Trichophyton terrestre</i> , <i>Trichophyton tonsurans</i> , <i>Trichophyton verrucosum</i> , <i>Trichophyton violaceum</i> , <i>Trichosporon asahii</i> , <i>Trichosporon mucoides</i>



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