



EPISIS

SCIENTIFIC LLC

bi  eksen

MOLECULAR DIAGNOSTICS

qPCR SOLUTIONS FOR LABORATORIES



BIOEKSSEN R&D TECHNOLOGIES

www.bioeksen.com

TABLE OF CONTENTS

About Us	4
Bioeksen qPCR Technology	6
Ordering Information	7

ABOUT US

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.

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

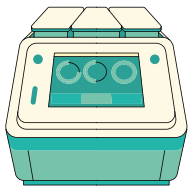
Meet Bioeksen qPCR Solutions

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*	Virus: SARS-CoV-2
BS-SY-FR	Flu A-B/RSV RT-qPCR Kit	Virus: Influenza A, Influenza B, RSV A/B
BS-RT4T	Respiratory Tract 4T RT-qPCR Kit	Virus: SARS-CoV-2, Influenza A, Influenza B, RSV A/B
BS-SY-MX24S/T	Respiratory Tract RT-qPCR MX-24 Panel	Virus: 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 Bacteria: <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	Virus: Sapovirus (GI/GII/GIV/GV), Adenovirus, Astrovirus, Norovirus (GI/GII), Rotavirus (A) Gram Positive Bacteria: <i>Clostridium difficile</i> toxin A, <i>Clostridium difficile</i> toxin B, <i>Clostridium difficile</i> Binary toxin A/B Gram Negative Bacteria: <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), Enteroaggregative <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> Parasite: <i>Giardia lamblia</i> , <i>Entamoeba histolytica</i> , <i>Cryptosporidium</i> spp., <i>Cyclospora cayetanensis</i>

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WOUND INFECTIONS

Catalog No	Product Name	Tested Targets
BS-SE-MX30S/T	Wound (Sepsis) qPCR MX-30 Panel	<p>Gram Positive Bacteria: <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>Gram Negative Bacteria: <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>Fungi: <i>Candida glabrata</i>, <i>Candida tropicalis</i>, <i>Candida krusei</i>, <i>Candida albicans</i>, <i>Candida parapsilosis</i></p> <p>Vancomycin resistance: VanA, VanB</p> <p>Carbapenem resistance: OXA 48, KPC, NDM, VIM, IMP</p> <p>Methicillin resistance: mecA+C</p>

URINARY TRACT INFECTIONS

Catalog No	Product Name	Tested Targets
BS-UFAR-S/T	UTI Focus + ABR Panel	<p>Gram Positive Bacteria: <i>Staphylococcus saprophyticus</i>, <i>Streptococcus agalactiae</i>, <i>Enterococcus faecalis/faecium</i></p> <p>Gram Negative Bacteria: <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>Fungi: <i>Candida albicans</i></p> <p>Vancomycin resistance: VanA, VanB</p> <p>Carbapenem resistance: OXA 48, KPC, NDM, VIM, IMP</p> <p>Methicillin resistance: mecA+C</p> <p>Beta Lactamase Resistance: CTX-M ESBL</p> <p>Quinolone resistance: qnr</p> <p>Sulfonamide resistance: sul</p> <p>Trimethoprim resistance: 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>Virus: Herpes simplex virus 1, Herpes simplex virus 2</p> <p>Gram Positive Bacteria: 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>Gram Negative Bacteria: <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>Fungi: <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>Virus: Herpes Simplex Virus-1, Herpes Simplex Virus-2</p> <p>Gram Positive Bacteria: <i>Gardnerella vaginalis</i>, <i>Neisseria gonorrhoeae</i>, <i>Treponema pallidum</i>, <i>Trichomonas vaginalis</i>, <i>Ureaplasma parvum/urealyticum</i></p> <p>Gram Negative Bacteria: <i>Mycoplasma genitalium</i>, <i>Mycoplasma hominis</i>, <i>Chlamydia trachomatis</i></p>

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NAIL INFECTIONS

Catalog No	Product Name	Tested Targets
BS-NI-S/T	Nail Infections qPCR Panel	Fungi: <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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