

Urinary Tract Infection and Antibiotic Resistance

Sample-Ready™ real-time PCR Reagents

BioGX real-time PCR assays support rapid identification of urogenital microorganisms (ie, viruses, bacteria, yeast and protozoa) and antibiotic resistance genes from a variety of sample types.

Compatible sample types include:

- Urine (neat or boric acid preserved) and swab samples collected in Copan Universal Transport Media (UTM®) or Copan ESwab™

Product Specifications:

- Assays available in liquid and lyophilized formats
- Multi-platform compatibility with Quantstudio 5™, ABI 7500 Fast Dx, Bio-Rad CFX96 Touch™, Bio-Rad CFX384 Touch™, pixl™ Real-Time PCR Platform
- Incorporation of sample processing control
- Positive Control available from BioGX (sold separately)
- Long-Term shelf-life stability

BioGX Menu of Urinary Tract Infection and Antibiotic Resistance Assays (Identify >60 microorganisms and antibiotic resistance genes)

Lyophilized Assays

- *Acinetobacter baumannii*, *Enterobacter* spp., *Morganella morganii*, *Kingella kingae* (REF 450-041-C-MAX)
- *Bacteroides fragilis*, *Citrobacter freundii*, *Clostridium novyi*/*Clostridium septicum*, *Clostridium perfringens* (REF 450-042-C-MAX)
- *Enterococcus faecalis*, *Enterococcus faecium*, *Streptococcus pyogenes*, *Streptococcus agalactiae* (REF 450-044-C-MAX)
- *Escherichia coli*, *Klebsiella* spp., *Staphylococcus saprophyticus*, *Enterococcus* spp. (REF 450-045-C-MAX)
- *Escherichia coli*, *Klebsiella* spp., *Pseudomonas aeruginosa*, *Proteus* spp. (REF 450-046-C-MAX)
- *Escherichia coli*, *Klebsiella* spp, *Enterococcus faecalis*, *Streptococcus pyogenes* (REF 450-047-C-MAX)
- KPC, NDM, OXA-48 (REF 450-018-C-MAX)
- *Staphylococcus aureus*, *mecA*, *mecC*, *Streptococcus agalactiae* (REF 450-049-C-MAX)
- *Staphylococcus epidermidis* group, *Staphylococcus aureus*, *Staphylococcus lugdunensis*, *mecA* (REF 450-050-C-MAX)
- *vanA*, *vanB* (REF 450-017-Series)
- *vanA*, *vanB*, *vanC1*, *vanC2/3* (REF 450-016-C-MAX)
- VIM, GES, *mcr-1* (REF 450-019-C-MAX)

Liquid Format Assays

- ABRM1 - KPC, NDM, OXA-48 (REF 450-018-LMP)
- ABRM2 - VIM, GES, mcr-1 (REF 450-019-LMP)
- ABRM3 - vanA, vanB, mecA (REF 450-081-LMP)
- ABRS1 - Aminoglycoside Resistance (Aad and AAC) (REF 450-098-LMP)
- ABRS2 - Aminoglycoside Resistance (APH) (REF 450-099-LMP)
- ABRS3 - Cephalosporin Resistance (ACC, ACT, FOX, MIR) (REF 450-100-LMP)
- ABRS4 - Cephalosporin Resistance (CMY/DHA/LAT/MOX/MOR and BIL) (REF 450-101-LMP)
- ABRS5 - ESBL (CTX-M) (REF 450-102-LMP)
- ABRS6 - ESBL (SHV) (REF 450-103-LMP)
- ABRS7 - ESBL (TEM) (REF 450-104-LMP)
- ABRS8 - Carbapenem Resistance (IMP) (REF 450-105-LMP)
- ABRS9 - Trimethoprim Resistance (dfrA1/dfrA5/dfrA12/dfrA17) (REF 450-106-LMP)
- ABRS10 - Sulfonamide Resistance (sul1/sul2) (REF 450-107-LMP)
- ABRS11 - Nitroimidazole Resistance (nimBDEJ) (REF 450-108-LMP)
- ABRS12 - Macrolide Resistance (ermABC) (REF 450-109-LMP)
- ABRS13 - Quinolone Resistance (qnrAS) (REF 450-110-LMP)
- ABRS14 - Quinolone Resistance (qnrB) (REF 450-111-LMP)
- ABRS15 - Tetracycline Resistance (tetABMS) (REF 450-112-LMP)
- SPC - RNase P (REF 450-113-LMP)
- SRM1 - Bacteroides fragilis, Clostridium novyi/Clostridium septicum, Clostridium perfringens (REF 450-068-LMP)
- SRM2 - Staphylococcus aureus, mecA, mecC (REF 450-069-LMP)
- SRM3 - Acinetobacter baumannii, Morganella morganii, Escherichia coli (REF 450-071-LMP)
- SRM4 - Klebsiella aerogenes, Enterobacter cloacae complex, Proteus vulgaris (REF 450-072-LMP)
- SRM5 - Citrobacter freundii, Citrobacter koseri, Salmonella spp. (REF 450-073-LMP)
- SRM6 - Klebsiella oxytoca, Klebsiella pneumoniae, Pseudomonas aeruginosa (REF 450-074-LMP)
- SRM7 - Proteus mirabilis, Providencia stuartii, Serratia marcescens (REF 450-075-LMP)
- SRM8 - Staphylococcus aureus, Staphylococcus lugdunensis, Staphylococcus saprophyticus (REF 450-076-LMP)
- SRM9 - Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus agalactiae (REF 450-077-LMP)
- SRM11 - Enterococcus faecium, Enterococcus faecalis (REF 450-082-LMP)
- SRM15 - Candida glabrata, Candida auris, Candida tropicalis (REF 450-096-LMP)
- SRM16 - Candida krusei, Candida albicans, Candida parapsilosis (REF 450-097-LMP)

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