

**BioGX**  
Molecular Made Easy



**MULTI PLATFORM COMPATIBLE  
REAGENT CATALOG**

# Syndromic Multiplexes (RUO)

| Syndromic Group                             | Product Name  | Targets  | Reactions per kit                                | Part No.      |
|---|---|--|--|---------------|
| Antimicrobial Resistance                    | vanA, vanB  | vanA, vanB, RNase P  | 64   | 450-017-LMP   |
|   | ABRM1 - KPC, NDM, OXA-48  | KPC, NDM, OXA-48, RNase P  | 64   | 450-018-LMP   |
|   | ABRM2 - VIM, GES, mcr-1   | VIM, GES, mcr-1, RNase P   | 64   | 450-019-LMP   |
|   | ABRM3 - vanA, vanB, mecA  | vanA, vanB, mecA, RNase P  | 64   | 450-081-LMP   |
|   | ABRS1 - Aminoglycoside Resistance (Aad and AAC)   | Aad and AAC  | 64   | 450-098-PNP   |
|   | ABRS2 - Aminoglycoside Resistance (APH)   | APH  | 64   | 450-099-PNP   |
|   | ABRS3 - Cephalosporin Resistance (ACC, ACT, FOX, MIR)   | ACC, ACT, FOX, MIR   | 64   | 450-100-PNP   |
|   | ABRS4 - Cephalosporin Resistance (CMY/DHA/LAT/MOX/MOR and BIL)  | CMY/DHA/LAT/MOX/MOR and BIL  | 64   | 450-101-PNP   |
|   | ABRS5 - ESBL (CTX-M)  | CTX-M  | 64   | 450-102-PNP   |
|   | ABRS6 - ESBL (SHV)  | SHV  | 64   | 450-103-PNP   |
|   | ABRS7 - ESBL (TEM)  | TEM  | 64   | 450-104-PNP   |
|   | ABRS8 - Carbapenem Resistance (IMP)   | IMP  | 64   | 450-105-PNP   |
|   | ABRS9 - Trimethoprim Resistance (dfrA1/dfrA5/dfrA12/dfrA17)   | dfrA1/dfrA5/dfrA12/dfrA17  | 64   | 450-106-PNP   |
|   | ABRS10 - Sulfonamide Resistance (sul1/sul2)   | sul1/sul2  | 64   | 450-107-PNP   |
|   | ABRS11 - Nitroimidazole Resistance (nimBDEJ)  | nimBDEJ  | 64   | 450-108-PNP   |
|   | ABRS12 - Macrolide Resistance (ermABC)  | ermABC   | 64   | 450-109-PNP   |
|   | ABRS13 - Quinolone Resistance (qnrAS)   | qnrAS  | 64   | 450-110-PNP   |
|   | ABRS14 - Quinolone Resistance (qnrB)  | qnrB   | 64   | 450-111-PNP   |
| ABRS15 - Tetracycline Resistance (tetABMS)  | tetABMS   | 64   | 450-112-PNP                                      |               |
| SPC - RNase P                               | RNase P   | 64   | 450-113-PNP                                      |               |
| Bloodborne                                  | Plasmodium spp., P. falciparum, P. vivax  | Plasmodium spp., P. falciparum, P. vivax, RNase P  | 64   | 450-032-LMP   |
| COVID-19                                    | Xfree SARS-CoV-2-XMPEXtraction-Free Direct PCR -Multi-Platform  | SARS-CoV-2 N1, RNase P, IAC  | 104 (direct)/160 (extracted) /52 (direct pooled) | 450-001-XMP   |
|   | COVID-19, Flu A, Flu B, RSV   | COVID-19, Flu A, Flu B, RSV, IAC   | 64   | 450-015-H-LMP |
|   | Xfree COVID-19, Flu A, Flu B  | SARS CoV-2 (N1 and RdRp genes), Flu A, Flu B, RNase P  | 16   | 450-090-H-PXL |
| Gastrointestinal                            | Microsporidia (Encephalitozoon cuniculi, Encephalitozoon hellem, Encephalitozoon intestinalis, Enterocytozoon bieneusi) | Microsporidia (Encephalitozoon cuniculi, Encephalitozoon hellem, Encephalitozoon intestinalis, Enterocytozoon bieneusi), RNase P | 64   | 450-063-LMP   |
| Immunocompromised, Meningitis, Encephalitis | Enterovirus   | Enterovirus, RNase P, IAC  | 64   | 450-006-LMP   |
|   | Neisseria meningitidis, Streptococcus pneumoniae, Haemophilus influenzae  | Neisseria meningitidis, Streptococcus pneumoniae, Haemophilus influenzae, RNase P  | 64   | 450-024-LMP   |
|   | Escherichia coli, Listeria spp., Streptococcus agalactiae   | Escherichia coli, Listeria spp., Streptococcus agalactiae, RNase P   | 64   | 450-025-LMP   |
|   | HSV-1, HSV-2, VZV   | HSV-1, HSV-2, VZV, RNase P   | 64   | 450-030-LMP   |
|   | Xfree HSV-1, HSV-2, VZV   | HSV-1, HSV-2, VZV, RNase P   | 16   | 450-030-E-PXL |
| Respiratory                                 | Enterovirus   | Enterovirus, RNase P, IAC  | 64   | 450-006-LMP   |
|   | Streptococcus pyogenes  | Streptococcus pyogenes, RNase P  | 64   | 450-013-LMP   |
|   | Mycobacterium tuberculosis complex, Mycobacterium avium complex, Mycobacterium spp.                                     | Mycobacterium tuberculosis complex, Mycobacterium avium complex, Mycobacterium spp., RNase P                                     | 64   | 450-054-LMP   |
|   | Mycobacterium chelonae, Mycobacterium abscessus group, Mycobacterium fortuitum complex                                  | Mycobacterium chelonae, Mycobacterium abscessus group, Mycobacterium fortuitum complex, RNase P                                  | 64   | 450-055-LMP   |
|   | Flu A, Flu B, RSV A/B   | Flu A, Flu B, RSV A/B, IAC   | 150  | 450-070-HMP   |
|   | Xfree Group A Streptococcus   | Streptococcus pyogenes, RNase P  | 16   | 450-092-PXL   |
|   | Xfree Mycoplasma pneumoniae   | Mycoplasma pneumoniae, RNase P   | 16   | 450-093-E-PXL |
|   | Legionella pneumophila, Legionella spp.   | Legionella pneumophila, Legionella spp., RNase P   | 64   | 450-094-LMP   |
| Sexual Health                               | Candida albicans, Candida glabrata, Candida krusei, Trichomonas vaginalis   | Candida albicans, Candida glabrata, Candida krusei, Trichomonas vaginalis, RNase P   | 64   | 450-035-LMP   |
|   | Treponema pallidum  | Treponema pallidum, RNase P  | 64   | 450-040-LMP   |
|   | Xfree Treponema pallidum  | Treponema pallidum, RNase P  | 16   | 450-040-E-PXL |
|   | Gardnerella vaginalis, Trichomonas vaginalis, Candida spp.  | Gardnerella vaginalis, Trichomonas vaginalis, Candida spp., RNase P  | 64   | 450-078-LMP   |
|   | SRM10 - HSV-1, HSV-2  | HSV-1, HSV-2, RNase P  | 64   | 450-079-LMP   |
|   | Chlamydia trachomatis, Neisseria gonorrhoeae, Enterococcus faecalis   | Chlamydia trachomatis, Neisseria gonorrhoeae, Enterococcus faecalis, RNase P   | 64   | 450-080-LMP   |
|   | Xfree hMPXV   | Monkeypox Virus, Orthopox Virus, RNase P   | 16   | 450-086-E-PXL |
|   | SRM13 - Mycoplasma genitalium, Mycoplasma hominis, Ureaplasma spp.  | Mycoplasma genitalium, Mycoplasma hominis, Ureaplasma spp., RNase P  | 64   | 450-087-LMP   |
|   | SRM14 - Chlamydia trachomatis, Neisseria gonorrhoeae, Trichomonas vaginalis   | Chlamydia trachomatis, Neisseria gonorrhoeae, Trichomonas vaginalis, RNase P   | 64   | 450-088-LMP   |

Research Use Only Products (450-series part numbers). Not for Use in Diagnostic Procedures.

Controls and other info available at <https://www.biogx.com/syndromic-multiplexes/>

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|--|--|--|------------------------------|-------------|
| Urinary Tract / Wound  | Candida auris  | Candida auris, RNase P   | 64                           | 450-043-LMP |
|  | SRM1 - Bacteroides fragilis, Clostridium novyi/Clostridium septicum, Clostridium perfringens | Bacteroides fragilis, Clostridium novyi/Clostridium septicum, Clostridium perfringens, RNase P | 64                           | 450-068-LMP |
|  | SRM2 - Staphylococcus aureus, mecA, mecC   | Staphylococcus aureus, mecA, mecC, RNase P   | 64                           | 450-069-LMP |
|  | SRM3 - Acinetobacter baumannii, Morganella morganii, Escherichia coli                        | Acinetobacter baumannii, Morganella morganii, Escherichia coli, RNase P                        | 64                           | 450-071-LMP |
|  | SRM4 - Klebsiella aerogenes, Enterobacter cloacae complex, Proteus vulgaris                  | Klebsiella aerogenes, Enterobacter cloacae complex, Proteus vulgaris, RNase P                  | 64                           | 450-072-LMP |
|  | SRM5 - Citrobacter freundii, Citrobacter koseri, Salmonella spp.                             | Citrobacter freundii, Citrobacter koseri, Salmonella sp., RNase P                              | 64                           | 450-073-LMP |
|  | SRM6 - Klebsiella oxytoca, Klebsiella pneumoniae, Pseudomonas aeruginosa                     | Klebsiella oxytoca, Klebsiella pneumoniae, Pseudomonas aeruginosa, RNase P                     | 64                           | 450-074-LMP |
|  | SRM7 - Proteus mirabilis, Providencia stuartii, Serratia marcescens                          | Proteus mirabilis, Providencia stuartii, Serratia marcescens, RNase P                          | 64                           | 450-075-LMP |
|  | SRM8 - Staphylococcus aureus, Staphylococcus lugdunensis, Staphylococcus saprophyticus       | Staphylococcus aureus, Staphylococcus lugdunensis, Staphylococcus saprophyticus, RNase P       | 64                           | 450-076-LMP |
|  | SRM9 - Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus agalactiae     | Staphylococcus epidermidis, Staphylococcus haemolyticus, Streptococcus agalactiae, RNase P     | 64                           | 450-077-LMP |
|  | SRM10 - HSV-1, HSV-2   | HSV-1, HSV-2, RNase P  | 64                           | 450-079-LMP |
|  | SRM11 - Enterococcus faecium, Enterococcus faecalis  | Enterococcus faecium, Enterococcus faecalis, RNase P   | 64                           | 450-082-LMP |
|  | SRM12 - Gardnerella vaginalis, Candida spp.  | Gardnerella vaginalis, Candida spp., RNase P   | 64                           | 450-083-LMP |
|  | SRM13 - Mycoplasma genitalium, Mycoplasma hominis, Ureaplasma spp.                           | Mycoplasma genitalium, Mycoplasma hominis, Ureaplasma spp., RNase P                            | 64                           | 450-087-LMP |
|  | SRM14 - Chlamydia trachomatis, Neisseria gonorrhoeae, Trichomonas vaginalis                  | Chlamydia trachomatis, Neisseria gonorrhoeae, Trichomonas vaginalis, RNase P                   | 64                           | 450-088-LMP |
|  | SRM15 - Candida glabrata, Candida auris, Candida tropicalis                                  | Candida glabrata, Candida auris, Candida tropicalis, RNase P                                   | 64                           | 450-096-LMP |
| SRM16 - Candida krusei, Candida albicans, Candida parapsilosis | Candida krusei, Candida albicans, Candida parapsilosis, RNase P                              | 64   | 450-097-LMP                  |             |
| Sample-Ready™ Master Mixes                                     | Sample-Ready DNA Master Mix Lyophilized Open System Reagents                                 | not applicable   | 16 (direct) / 64 (extracted) | 450-051-XMM |
|  | Sample-Ready RNA Master Mix Lyophilized Open System Reagents                                 | not applicable   | 16 (direct) / 64 (extracted) | 450-058-XMM |

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## FDA-EUA

| Syndromic Group | Product Name  | Targets  | No. of Reactions per kit                           | Part No.    |
|-----------------|---|--|--|-------------|
| COVID-19        | Xfree COVID-19 Direct RT-PCR - Extraction-Free - Multi-Platform | SARS-CoV-2 N1, RNase P, IAC Extraction-Free Direct PCR -Multi-Platform | 104 (direct)/160 (extracted)<br>52 (direct pooled) | 500-003-XMP |

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'LMP', 'HMP', 'XMP', 'XMM' and 'PNP' are compatible with Applied Biosystems QuantStudio™ 5, Applied Biosystems 7500 Fast Dx, BioRad CFX96 Touch™, Bio-Rad CFX384 Touch™, Bio Molecular Systems Mic Instrument, BioGX pixl.16 or similar depending on the optical channel configuration of each product.

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