

Infectious Molecular Diagnostics Product Catalogue

Real-Time PCR Diagnostic Kits



BioMolecular Discovery & Solutions Private Limited brings you a comprehensive range of Real-Time PCR diagnostic kits covering infectious disease detection, viral load quantification, and drug-resistance screening. All kits are CoDx™-powered, using patented CoPrimers™ technology for high specificity and sensitivity. Results are available within 2–3 hours on most standard RT-PCR platforms.

IVD = In Vitro Diagnostic use • **RUO** = Research Use Only • Each kit includes Master Mix, Positive Control, and Negative Control unless noted otherwise.

Product Range Overview

Kit Name	What It Detects	Specimen Type	Status	Pack Size
BMD-INF-001	SARS-CoV-2 (RdRp gene)	Nasopharyngeal/oropharyngeal swab, BAL, sputum, tracheal aspirate, serum	IVD	100 / 250 Rxns
BMD-INF-002	SARS-CoV-2 (RdRp & E genes)	Nasopharyngeal/oropharyngeal swab, BAL, sputum, tracheal aspirate, serum	IVD · ICMR Approved	100 / 250 Rxns
BMD-INF-003	Chikungunya virus	Serum / Plasma	IVD	25 / 50 / 100 Rxns
BMD-INF-004	Dengue virus (Serotypes 1–4)	Serum / Plasma	IVD	25 / 50 / 100 Rxns
BMD-INF-005	rpoB, inhA & katG mutations (Rifampicin & Isoniazid resistance)	Pulmonary & extra-pulmonary samples	RUO	25 / 50 / 100 Rxns
BMD-INF-006	H1N1 (2009) Influenza A virus	Respiratory clinical samples	RUO	On request
BMD-INF-007	HBV (Genotypes A–H)	Serum / EDTA Plasma	IVD	25 / 50 / 100 Rxns
BMD-INF-008	HCV (Genotypes 1–6)	Serum / EDTA Plasma	IVD	25 / 50 / 100 Rxns
BMD-INF-009	Human Papillomavirus genotypes 16 &/or 18	Cervical samples, genital swabs, EDTA plasma/serum	IVD	25 / 50 / 100 Rxns
BMD-INF-010	Plasmodium spp. (P. falciparum, P. vivax, P. ovale, P. malariae, P. knowlesi)	Venous whole blood	IVD	25 / 50 / 100 Rxns
BMD-INF-011	IS6110 &/or MPB64 genes (M. tuberculosis complex)	Pulmonary & extra-pulmonary samples	IVD	25 / 50 / 100 Rxns
BMD-INF-012	Dengue (Serotypes 1–4) &/or Chikungunya virus	Serum / Plasma	IVD	25 / 50 / 100 Rxns
BMD-INF-013	Influenza A, Influenza B, H1N1 & H3N2 (differentiation)	Nasopharyngeal & oropharyngeal swabs	RUO	25 / 50 / 100 Rxns
BMD-INF-014	Chlamydia trachomatis, Neisseria gonorrhoea, Mycoplasma genitalium, Trichomonas vaginalis	Endocervical/urethral/vaginal/anorectal/oropharyngeal swabs & urine	RUO	25 / 50 / 100 Rxns
BMD-INF-015	Quantification of HBV (Genotypes A–H)	EDTA Plasma / Serum	IVD	25 / 50 / 100 Rxns
BMD-INF-016	Quantification of HCV (Genotypes 1–6)	EDTA Plasma / Serum	IVD	25 / 50 / 100 Rxns



Why Choose Our Kits

Fast Turnaround — Most kits deliver results within two to three hours, from sample to report, including extraction, amplification, and analysis.

High Accuracy — CoPrimers cooperative technology reduces primer-dimer formation, giving consistently high sensitivity and specificity across genotypes.

Broad Compatibility — Kits work across most standard RT-PCR platforms and multiple sample extraction methods, with simple, streamlined workflows.

Complete Kit Contents — Every kit ships with a ready-to-use Master Mix, Positive Control, and Negative Control for reliable, easy-to-interpret results.

Typical Workflow

1. Extraction (<45–60 min) → **2. Assay Run** (40–120 min, kit dependent) → **3. Analysis** (<10 min)

All kits require a clean, contamination-free environment with a biosafety hood, centrifuge, pipettes, and a compatible Real-Time PCR machine.

Important Notes

- IVD kits are validated In Vitro Diagnostic products; RUO kits are intended for Research Use Only and not for diagnostic decision-making.
- All kits use CoPrimers technology, offering high specificity (typically 98–100%) with minimal cross-reactivity.
- Kits are compatible with most standard Real-Time PCR thermal cyclers (channel compatibility varies by kit — please consult individual product specification sheets).
- Pack sizes, pricing, and availability are subject to change. Please contact us for the latest ordering information and detailed technical specification sheets.

Contact Us

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