

MOLECULAR DIAGNOSTIC PRODUCT LINE

viGen

The LDS facility manufactures local products for molecular diagnostics. The range includes Viral Transport Medium, extraction and amplification kits, and amplification panels customized to our local needs. All test are DRAP approved and in compliance with international quality standards. Clinical performance evaluation is done against the industry's gold standards, yielding promising results. Being the future of diagnostics, a local market for molecular diagnostics is a giant leap towards sustainability of healthcare services and their accessibility in Pakistan.

viGen-Q Fever Panel Multiplex PCR Kit

A multiplexed Real-Time PCR kit which is intended for qualitative rapid detection & differentiation of tropical fever causing pathogens from human clinical samples. It includes three tubes assay targeting eight major pathogens including bacteria, viruses & parasites.

Product Specifications

Test principle	oligonucleotide hydrolysis principle which allows higher specificity and sensitivity. The different targets are detected with the help of three different dyes (FAM/Green, HEX/VIC/Yellow & Texas Red/ROX/Orange).
Sample Type	Whole blood or Plasma / serum samples of human origin.
Target pathogens	Salmonella spp., Plasmodium spp., Dengu virus
Testing time	07 hours
Storage condition	2-30 C
Target Regions	Conserved regions of the genome of each pathogen
Reaction Volume	15µl in each tube
Reaction Time	100-120 Minutes PCR run
LOD Data	103 copies/ml
Compatible Instruments	Applied Biosystems™ 7500 series, Applied Biosystems™ StepOne series, Applied Biosystems™ QuantStudio® series, RotarGene Q, Bio-Rad Roche - LightCycler® 480 - II

Test Performance

Relative Specificity	98.77%
Relative Sensitivity	97.89%

Ordering Information

Product	Pack Size	CAT No.
viGen-Q Fever Panel Multiplex PCR Kit	48 Reactions	VGQ-11048

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Product	Pack Size	CAT No.
viGen-Q Typhoid PCR Kit	48 Reactions	VGQ-10048
COVID-19 sample collection and transport kit	100 Tests	CTK-3100
viGen Viral Nucleic Acid Auto Extraction Kit	64 Tests	VG-10064