

MONKEYPOX VIRUS qPCR KIT PRODUCT GUIDE

qPCR is the fastest and most precise method to identify and quantify pathogens. The YouSeq qPCR test kit for Monkeypox DNA contains all components necessary for fast, accurate detection and quantification on any qPCR platform. The target genome region (surface glycoprotein) has been demonstrated to have a unique sequence in this species, making it an ideal target for highly specific detection of Monkeypox virus.

SPECIFICATIONS

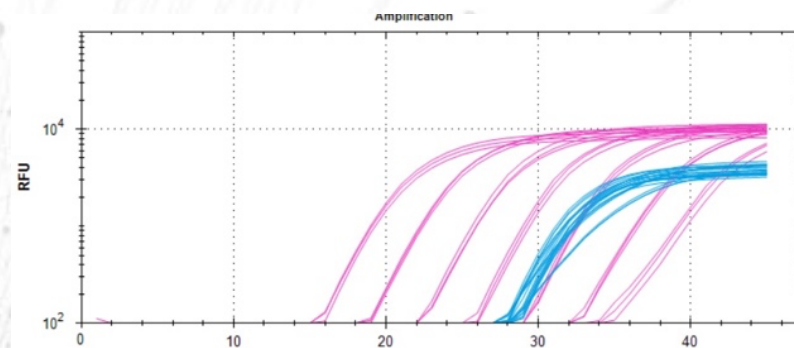
Instrumentation	On all qPCR platforms with FAM & HEX channels
Kit Configuration	100 tests
Technology	Singleplex real-time PCR
Assay Performance	PCR efficiency >90% all targets; Sensitivity <100 copy detection; Specificity >99.0%
Target Genome Region	Surface glycoprotein
Endogenous Control	RNaseP is detected as a control for biological material, DNA extraction and amplification efficiency
Other Controls	Negative control; Positive control



EXAMPLE DATA

The YouSeq® Monkeypox virus qPCR kit is designed to have the broadest detection profile possible and detect all clinically relevant strains. The primers and probes have very high (>95%) homology with all reference data within the NCBI database.

The data below shows the standard curve in log 2×10^6 copies/rxn down to 2 copies/rxn: Pink is Monkeypox virus, Blue is endogenous control material.



ORDERING INFO

Catalogue No.	Product name	Kit size
YSL-qP-EC-MoPxV-100	YouSeq® MONKEYPOX VIRUS qPCR TEST KIT*	100 rxns

*FOR RESEARCH USE ONLY