

Technical Product Report

For Research Use Only, Not for use in Diagnostic Procedures

Product Description: Seraseq™ HIV-1 Drug Resistance and Tropism Reference Material v2 (MF1-20)

Material Number: 0740-0026 Batch No: 10231851

Concentration: Nominal value: 5.0E+04 viral copies/mL

Fill Volume 3 vials, 1 mL per vial

Date of Manufacture: 09-Dec-2016 Expiration Date: 09-Dec-2020

Test Method: Reverse transcription TaqMan® assays run on the BioRad QX-200 digital PCR system.

	Concentration Testing	
	Pro/RT/Int (HIV 5')	Env (HIV 3')
MF-1	3.02E+04 copies/μL	2.50E+04 copies/μL
MF-5	2.26E+04 copies/μL	1.49E+04 copies/μL
MF-20	3.35E+04 copies/μL	2.73E+04 copies/μL

	Mutation Frequency Testing	
	Pro/RT/Int (HIV 5')	Env (HIV 3')
MF-1	0.93%	0.91%
MF-5	4.42%	6.39%
MF-20	19.56%	22.12%

NGS Verification: Next Generation Sequencing performed using Ion Torrent based, laboratory developed assay verified the presence of each mutation at the expected frequency.

Approval:

Prepared By Rejane p

16 OCT 2019
Date