

Certificate of Analysis



Product Code : BIO-9010

Identifier : Viral DNA/RNA Extraction Kit

Product Description : It is a column-based extraction kit that utilizes silica membrane spin-column technology to enable rapid viral nucleic acid extraction for RT-PCR and qRT-PCR experiments directly.

Storage Condition : Ambient temperature (20°C to 25°C)

Lot Number : **2A0518GH0001**

Expires end of: 04/2021

Content	Lot number	Specification	Appearance	Results
VNA Buffer		pH 7.78	Clear, colourless liquid	Pass
BS Buffer		pH 5.20	Clear, colourless liquid	Pass
WBA Buffer		pH 4.50	Clear, colourless liquid	Pass
WBB Buffer		pH 8.50	Clear, colourless liquid	Pass
RNase-Free Water		pH 7.2	Clear, colourless liquid	Pass
Inert Carrier		1) Solubility: 10 mg + 1 ml of 0.1M Acetate buffer, pH 5.0 2) Water: < 10 % 3) Long term storage: -20°C	Powder, white to beige solid	Pass
VNA Column		Nil	Intact membrane, good fitting without drop off of any physical particles	Pass

Assay	Specification	Results
qPCR assay targeting 2019-nCoV E gene, 45 cycles	(i) 200 copies of viral nucleic acid: Ct value = 25.00 to 35.00; $R^2 > 0.95$; Slope = -3.10 to -3.59 (ii) 20 copies of viral nucleic acid: Ct value = 25.00 to 35.00; $R^2 > 0.95$; Slope = -3.10 to -3.59	Pass (i) Ct value = 29.16; $R^2 = 0.9973$; Slope = -3.263 (ii) Ct value = 31.56; $R^2 = 0.9973$; Slope = -3.263

Verified by : Germaine Ho

Released date : 20th May 2020

This certified that the product has been reviewed and all analytical specifications have been determined to be acceptable. This document was produced electronically and is valid without signature.

For Research Use Only. Not for use in diagnostic procedures.