

Product Specification Sheet



Product Code : MBS-4100
Identifier : 2019-nCoV_E_and_RdRP Positive Control
Grade : Biotechnology Grade
Appearance : Clear, colourless liquid
Product Description : This plasmid contains partial sequences of E_Sarbeco & RdRP genes from 2019-nCoV, which designed to be used as plasmid positive control in Charité/Berlin qPCR Protocol.
Storage Condition : -20°C

Assay	Specification
Sequence verification by Sanger sequencing	100% sequence coverage
qPCR assay targeting E_Sarbeco gene, 45 cycles	(i) 200,000 copies of circular plasmid: Ct value = 20.00 to 30.00; $R^2 > 0.95$; Slope = -3.10 to -3.59 (ii) 20,000 copies of circular plasmid: Ct value = 20.00 to 30.00; $R^2 > 0.95$; Slope = -3.10 to -3.59
qPCR assay targeting RdRP gene, 45 cycles	(i) 200,000 copies of circular plasmid: Ct value = 25.00 to 35.00; $R^2 > 0.95$; Slope = -3.10 to -3.59 (ii) 20,000 copies of circular plasmid: Ct value = 25.00 to 35.00; $R^2 > 0.95$; Slope = -3.10 to -3.59

For Research Use Only. Not for use in Diagnostic Procedures.