

# Product Specification Sheet



**Product Code** : MBS-4101  
**Identifier** : 2019-nCoV\_Positive Control\_v2  
**Grade** : Biotechnology Grade  
**Appearance** : Clear, colourless liquid  
**Product Description** : This plasmid contains partial sequences of 2019-nCoV E gene, RdRp gene (both RdRp P2 and RdRp Helicase) and Rnase P gene  
**Storage Condition** : -20°C

Assay	Specification
Sequence verification by Sanger sequencing	100% sequence coverage
qPCR assay targeting E gene, 45 cycles	(i) 200,000 copies of circular plasmid: Ct value = 20.00 to 30.00 (ii) 20,000 copies of circular plasmid: Ct value = 23.00 to 33.00
qPCR assay targeting RdRP Gene, 45 cycles	(i) 200,000 copies of circular plasmid: Ct value = 28.00 to 36.00 (ii) 20,000 copies of circular plasmid: Ct value = 30.00 to 38.00
qPCR assay targeting RdRP Gene with Modified Primers, 45 cycles	(i) 200,000 copies of circular plasmid: Ct value = 20.00 to 30.00 (ii) 20,000 copies of circular plasmid: Ct value = 20.00 to 30.00
qPCR assay targeting RdRP Helicase Gene, 45 cycles	(i) 200,000 copies of circular plasmid: Ct value = 20.00 to 30.00 (ii) 20,000 copies of circular plasmid: Ct value = 20.00 to 30.00
qPCR assay targeting RNase P Gene, 45 cycles	(i) 200,000 copies of circular plasmid: Ct value = 20.00 to 30.00 (ii) 20,000 copies of circular plasmid: Ct value = 20.00 to 30.00

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

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