

CRISPR Manuscript - Supporting files

Characteristics	COVIDsure	Seegene-Allplex™ 2019-nCoV Assay	CRISPR (TataMD CHECK™)
Purpose	To generate routine lab reports to patients	Primary comparator	Index test (CRISPER based)
ICMR approval	Yes	Yes	Yes
Target genes	nCoV ORF1ab (O) and E	E, N and RdRp	S
Limit of Detection	~100 copies per reaction	~50-100 copies per reaction	*10-100 copies per reaction (under controlled lab conditions) *~ ≥500 copies per reaction (in real field scenario)

Table S4: Target genes and limit of detection of RT-PCR tests

As per information published in the instruction manual by the manufacturers, the limit of detection of the CRISPR assay is 10-100 copies of the target genetic sequence, when performed under controlled laboratory conditions by well-trained personnel. Under real life diagnostic laboratory conditions, it may be as high as 500-1000 copies of the viral genome. (Ref 6 in the main manuscript reference section).