

CRISPR Manuscript - Supplementary data

1. Results

- **Analysis of TMC-CRISPR assay sensitivity and specificity using ICMR guidelines**

Furthermore, we conducted an analysis of the TMC-CRISPR assay's sensitivity and specificity using the Cycle threshold (Ct) cut-off recommended by ICMR, which is set at >35. This assessment was undertaken to validate whether there were any enhancements in the test results under this criterion.

a) Removing E gene ct values > 35 N = 25 removed.

As described in the table S2(a) quick analysis removing 25 samples which had ct values > 35 provided the below results. Sensitivity changes from 44% to 47%

		RT PCR			
		Positive	Negative		
CRISPR Manual	Positive	112	25	Sn	47.5%
	Negative	124	2043	SP	98.8%
	Total	236	2068		
CRISPR app based	Row Labels	Positive	Negative		
	Positive	109	26	SN	47.8%
	Negative	119	2022	SP	98.7%
	Total	228	2048		

Table S2(a): Analysis of TMC-CRISPR results compared to ICMR recommended cut off, Ct >35 for E gene target in the Seegene assay)

b) Removing N gene ct values > 35 N = 26 removed

Similar results obtained after removing samples with Ct values of N gene >35

		RT PCR			
		Positive	Negative		
CRISPR Manual	Positive	111	25	Sn	47.2%
	Negative	124	2043	Sp	98.8%
	Total	235	2068		
CRISPR app based		Positive	Negative		
	Positive	108	26	Sn	47.6%
	Negative	119	2022	Sp	98.7%
	Total	227	2048		

Table S2(b): Analysis of TMC-CRISPR results compared to ICMR recommended cut off, Ct >35 for N gene target in the Seegene assay)

Please note that between the 25 samples in S2(a) and 26 samples in S2(b), only 12 samples are overlapping.