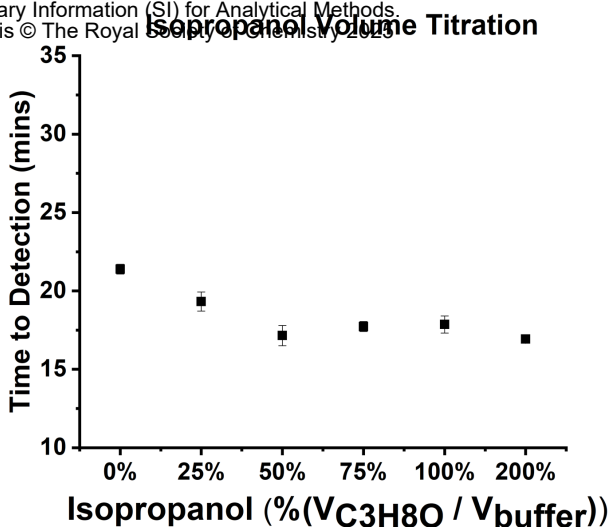




S.1: Titration of GuHCl from 0-10 M in 1×TE buffer with 5.6 µg carrier RNA and 1:1 volume isopropanol

Nanodrop Analysis

	DNA yield (ng/ μ l)	A260/A280	A260/A230	RNA Yield (ng/ μ l)	A260/A280	A260/A230
PL 1	136.8	2.59	2.00	111.1	2.59	1.99
PL 2	127.7	2.62	2.08	100.1	2.62	2.06
PL 3	154.3	2.72	2.67	79.8	2.68	2.54
POC-Pure 1	117.1	2.05	0.82	103.1	1.94	0.78
POC-Pure 2	114.3	2.79	1.57	88.0	2.86	1.69
POC-Pure 3	127.3	2.12	0.86	91.8	2.22	.92

S.2: DNA and RNA yield comparison between PureLink (commercial) extraction and POC-Pure extraction using 200 μ L saliva sample as input.

SARS-CoV-2 Copy Number	Ct Value
10^5	16.9
10^4	20.9
10^3	24
10^2	27.1
10^1	30.4
10^1	34.7
NTC	Undetermined

S.3: The standard curve for SARS-CoV-2 genome quantification using taqman assay performed in qPCR machine.