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Enhanced portable detection for SARS-CoV-2 utilizing DNA tetrahedron-tethered aptamers and a pressure meter

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Table S1 Sequences of the DNA strands

Name	Sequence
Apt1-A	5'-CGCAGCACCCAAGAACAAGGACTGCTTAGGATTGCGATAGGTTTCGGTTTTTTACATTCC TAAGTCTGAAACATTACA GCTTGCTACACGAGAAGAGCCGCATAGTA -3'
Apt2-A	5'-ATCCAGAGTGACGCAGCATTTTCATCGGGTCCAAAAGGGGCTGCTCGGGATTGCGGATA TGGACACGTTTTTTTACATTCTAAGTCTGAAACATTACAGCTTGCTACACGAGAAGAGCC GCCATAGTA -3'
Apt3-A	5'-CAGCACCGACCTTGTGCTTTGGGAGTGCTGGTCCAAGGGCGTTAATGGACATTTTTTAC ATTCCTAAGTCTGAAACATTACAGCTTGCTACACGAGAAGAGCCGCATAGTA -3'

Table S2 Information of detecting oropharyngeal swab samples by pressure meter

Sample NO.	Volunteer NO.	PSV (TU ml ⁻¹)	Sample NO.	Volunteer NO.	PSV (TU ml ⁻¹)
Positive			Negative		
1	1	200	1	1	0
2	2	200	2	2	0
3	3	200	3	3	0
4	4	200	4	4	0
5	5	40	5	5	0
6	6	40	6	6	0
7	7	40	7	7	0
8	8	40	8	8	0
9	9	4	9	9	0
10	10	4	10	10	0
11	11	4	11	11	0
12	12	2	12	12	0
13	13	2	13	13	0
14	14	2	14	14	0
15	15	2	15	15	0