

Supplemental material Table S1

Table S1. Overview of the various experiments conducted during the method development phase of this study and the results of the various protocols conducted for the various amounts of stool tested by Xpert. Results are stratified by experiment and quantity of stool used in each experiment as outlined in figure S1.

Demonstration experiments	Test protocol includes			Amount of stool (gram)							
	Bead-beating	Filtration	Dilution (1:1)	0.3		0.5		0.8		1.0	
				SPC-Ct [#]	Δ Ct [‡]	SPC-Ct	Δ Ct	SPC-Ct	Δ Ct	SPC-Ct	Δ Ct
A (SOS)	No	No	No	25.5	0.1	29.9	4.5	nd*	nd	36.4	11
B (TS)	No	No	Yes	33.3	7.9	33.4	8	nd	nd	33.2	7.8
C	Yes	No	No	27.1	1.7	27	1.6	nd	nd	36.6	11.2
D	Yes	No	Yes	27.4	2	30.2	4.8	nd	nd	Invalid	-
E	No	Yes	No	nd	nd	nd	nd	24.4/error	-1	nd	nd
F	No	Yes	Yes	nd	nd	nd	nd	24.5 [§]	-0.9	nd	nd
G	Yes	Yes	No	nd	nd	nd	nd	27.0 [§]	1.6	27.6	2.2
H	Yes	Yes	Yes	nd	nd	nd	nd	26.7 [§]	1.3	29.1	3.7

[#]SPC-Ct; cycle threshold (Ct) of the sample processing control (SPC).

[‡] Δ Ct was calculated by subtracting the reference (undiluted SR) SPC-Ct value from the SPC-Ct value obtained of each experiment from; The reference SPC-Ct value varied from 24.3 to 26.2 with a mean of 25.4 ± 0.7 over the five runs conducted.

*nd; not done.

[§] the results shown are the average of two test runs.