Supplementary Table 1: Primers and probes used in the multiplex real-time PCR for detection of parasites			
Organism	*Gene*	Primer/Probe name	Sequence
Giardia lamblia	ss-rRNA	Forward primer	GACGGCTCAGGACAACGGTT
		Reverse primer	TTGCCAGCGGTGTCCG
		Probe	FAM-CCCGCGGCGGTCCCTGCTAG-DDQ1
Cryptosporidium spp.	COW P	Forward primer	CAAATTGATACCGTTTGTCCTTCTG
		Reverse primer	GGCATGTCGATTCTAATTCAGCT
		Probe	TexasRed-TGCCATACATTGTCCTGACAAATTGAAT-DDQ2
Entamoeba histolytica	ss-rRNA	Forward primer	AACAGTAATAGTTTCTTTGGTTAGTAAAA
		Reverse primer	CTTAGAATGTCATTTCTCAATTCAT
		Probe	Hex-ATTAGTACAAAATGGCCAATTCATTCA-Dark Quencher
Organism	Gene	Primer/Probe name	Sequence
Giardia lamblia	ss-rRNA	Forward primer	GACGGCTCAGGACAACGGTT
		Reverse primer	TTGCCAGCGGTGTCCG
		Probe	FAM-CCCGCGGCGGTCCCTGCTAG-DDQ1
Cryptosporidium spp.	COW P	Forward primer	CAAATTGATACCGTTTGTCCTTCTG
		Reverse primer	GGCATGTCGATTCTAATTCAGCT
		Probe	TexasRed-TGCCATACATTGTCCTGACAAATTGAAT-DDQ2
Entamoeba histolytica	ss-rRNA	Forward primer	AACAGTAATAGTTTCTTTGGTTAGTAAAA
		Reverse primer	CTTAGAATGTCATTTCTCAATTCAT
		Probe	Hex-ATTAGTACAAAATGGCCAATTCATTCA-Dark Quencher

Supplementary Table 2: Comparison of DNA concentrations for Chelex and Qiagen DNA extraction methods on parasite-positive stool samples stored on Whatman protein saver cards				
Application Method	DNA extraction protocol	*G. lamblia* (n=20)	*Cryptosporidium* (n=20)	*E. histolytica* (n=20)
		Average DNA concentration (Min-Max)	Average DNA concentration (Min-Max)	Average DNA concentration (Min-Max)
Stool stored on Whatman PSC	Qiagen	76.2 (65.4 – 86.9)	33.3 (28.0 – 38.6)	29.4 (20.1 – 38.6)
	Chelex	831.3 (769.6 – 893.1)	429.6 (393.4 – 465.7)	710.4 (663.8 – 756.9)
Stool suspension stored on Whatman PSC	Qiagen	75.8 (68.8 – 82.8)	19.9 (16.4 – 23.4)	30.7 (21.1 – 40.3)
	Chelex	466.3 (421.7 – 510.9)	230.0 (204.3 – 255.7)	354.1 (325.0 – 383.1)