

Supplementary Material 1: Detailed description of pathogen specific polymerase chain reaction primers for their specific detection

Pathogen	Target gene	Primer Name	Primer Sequence (5' to 3')	Tm (°C)	Size (bp)
<i>Escherichia coli</i>					
EPEC	eae	EPEC_eaeA_F	GACCCGGCACAAAGCATAAGC	59	384
		EPEC_eaeA_R	CCACCTGCAGCAACAAGAGG		
EHEC	hlyA	EHEC_hlyA_F	GCATCATCAAGCGTACGTCC	57	534
		EHEC_hlyA_R	AATGAGCCAAGCTGGTTAAGCT	54	180
EAEC	pCVD432 plasmid	EAEC_pCVD432_F	CTGGCGAAAGACTGTATCAT	51	630
		EAEC_pCVD432_R	AAATGTATAGAAATCCGCTGTT		
STEC	stx1	<i>E.coli</i> _stx1_F	ATAAATCGCCATTTCGTTGACTAC		
		<i>E.coli</i> _stx1_R	GGCACTGTCTGAAACTGCTCC		
STEC	stx2	<i>E.coli</i> _stx2_F	GGCACTGTCTGAAACTGCTCC	56	255
		<i>E.coli</i> _stx2_R	TCGCCAGTTATCTGACATTCTG		
STEC	H7 FLIC	H7_FLIC-F	GCGCTGTCGAGTTCTATCGAGC	59	625
		H7_FLIC-R	CAACGGTGACTTATCGCCATTCC		
<i>Shigella Spp.</i>					
	ShET 1	<i>Shigella</i> _1A_F	CAG CGT CTT TCA GCG ACA GTG TTT	59	530
		<i>Shigella</i> _1A_R	AGC ATG ATA CTC AAC AGC CAG ACC		
	ShET 2	<i>Shigella</i> _1B_F	ATA CTG GCT CCT GTC ATT CAC GGT		
		<i>Shigella</i> _1B_R	GGA AGT GAC AGG GCA TTT GTG GAT		
<i>Cryptosporidium Spp.</i>					
	18s SSU rRNA locus	18s Morgan F	AGTGACAAGAAATAACAATACAGG	60	298
		18s Morgan R	CCTGCTTTAAGCACTCTAATTTTC		
<i>Giardia Spp.</i>					
	gdh gene	GDHeF	TCAAGCTYAAYGCGYGGYTTGCGT	57	432
		GDHiF	CAGTACAACCTCYGCTCTCGG		
		GDHiR	GTTRTCCTTGACATCTCC		

