



# BioEnteric Extract

removes inhibitors, from faecal samples, to give a simple, fast & effective DNA extraction for PCR applications

## Removes PCR Inhibitors

- such as bile salts, cholic acid, deoxycholic acids from faecal samples

## Fast & Effective DNA extraction from Faecal samples

- one step - heating & sonication
- heating inactivates nucleases, safeguarding DNA
- sonication ensures fast and effective process

## One Step Extraction

- simply add sample and sonicate
- inhibitors concentrated in top phase

## Non Toxic Reagents

- chemical free lysis method

## More Effective than standard methods

- Detection Limits of BioEnteric assay using two extraction methods:

### Competitor & BioEnteric Extract

Pathogen	Detection Limits cfu/g	
	Competitor*	BioEnteric Extract **
Salmonella	10 <sup>0</sup>	10 <sup>0</sup>
Shigella	10 <sup>3</sup>	10 <sup>1</sup>
Campylobacter	10 <sup>5</sup>	10 <sup>4</sup>
E. coli 0157	10 <sup>0</sup>	10 <sup>0</sup>

\*well known commercially available kit. Detection limits using enriched "spiked" faecal samples.

\*\*BioEnteric Extract offers a more efficient extraction for Shigella and Campylobacter.

