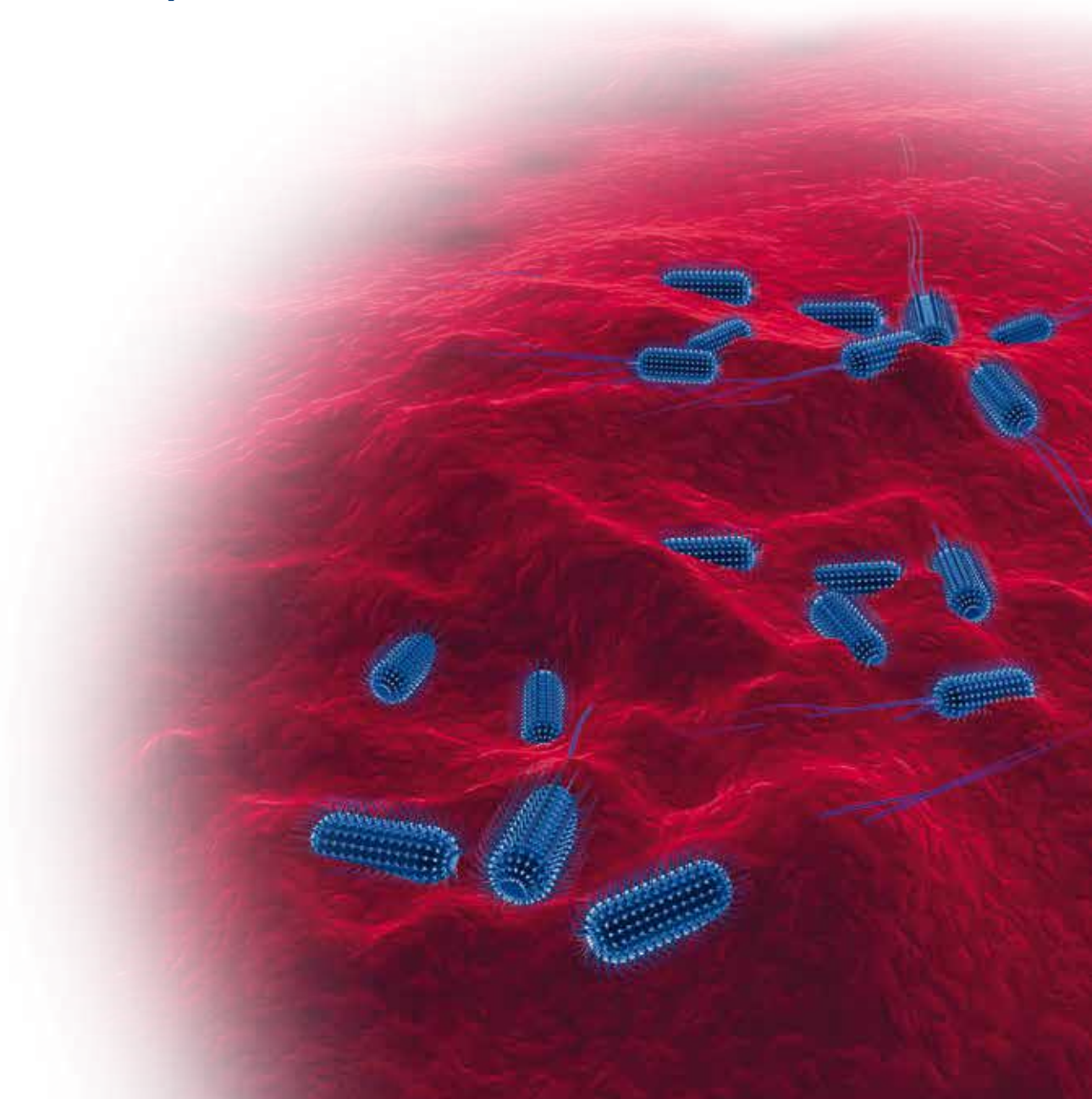


Stool testing

LIAISON[®] EHEC Toxins

The fully automated solution for the accurate detection of Enterohemorrhagic *Escherichia coli* toxins in Stool samples



DiaSorin

The Diagnostic Specialist

FOR OUTSIDE THE US AND UK ONLY

Stool testing

LIAISON® EHEC Toxins

EHEC or Enterohemorrhagic *Escherichia coli* is a gram negative bacteria producing toxins.

EHEC toxins are also known as Verotoxins, STLx or Shigella-like toxins.

Shiga-like toxin-producing *Escherichia coli* causes hemorrhagic colitis and hemolytic-uremic syndrome in association with the production of these toxins, which induce cell death via either necrosis or apoptosis.

The young and elderly people are the most at risk populations making this diagnostic essential.

■ Key Assay features

Number of tests	100
Method	Sandwich Qualitative
Solid Phase	Antibody to shigatoxins 1&2
Conjugate	Antibodies to shigatoxins 1&2
Label / Tracer	ABEI
Sample volume	200 µl

Sample type	Stool, Broth, Plate Culture, Cary Blair
Throughput	90 results / hour
Time to first result	45 minutes
Integral on board stability	8 weeks
Calibrators availability	3 Lyophilized
Calibrator stability	12 days

■ Performance Characteristics

A total of 214 Gram Negative (GN) Broth Culture samples were tested by the LIAISON® EHEC Toxins assay and a commercial EHEC assay. Results are summarized in the table below.

LIAISON® EHEC Toxins	Comparator EHEC ELISA		
	Positive	Negative	Total
Positive	76	5	81
Equivocal	1	0	1
Negative	1	131	132
Total	78	136	214

Positive Agreement =	(76/78) 97.4%	95% CI (91.2 – 99.2%)
Negative Agreement =	(131/136) 96.3%	95% CI (91.7 – 98.4%)
Overall Agreement =	(207/214) 96.7%	95% CI (93.4 – 98.4%)

A total of 214 Stool samples were tested by the LIAISON® EHEC Toxins assay and a commercial EHEC assay. Results are summarized in the table below. The positive stool samples consisted of 17 clinical patient specimens and 84 samples prepared by culturing EHEC strains in diarrheal stool samples.

LIAISON® EHEC Toxins	Commercial EHEC ELISA		
	Positive	Negative	Total
Positive	93	0	93
Equivocal	0	1	1
Negative	2	118	120
Total	*95	119	214

Positive Agreement =	(93/95) 97.9%	95% CI (92.7 – 99.4%)
Negative Agreement =	(118/119) 99.2%	95% CI (95.4 – 99.8%)
Overall Agreement =	(211/214) 98.6%	95% CI (96.0 – 99.5%)

*NOTE: 101 Stool samples were positive by the comparator kit, however 6 were negative by both kits in MacConkey and GN broth culture and resolved as negative samples.

■ Ordering information

LIAISON® EHEC toxins (code 318930)

LIAISON® Control EHEC Toxins (code 318931)

Product availability subject to required regulatory approval