



CLART[®] ENTEROBAC

Detection of Bacteria causing
Infectious Diarrhoea.

BACTERIA DETECTED:

Aeromonas spp.
Aerolysin positive

Salmonella spp.

Yersinia enterocolitica

Yersinia spp.
(*Y. pestis*, *Y. pseudotuberculosis*
and *Y. enterocolitica*)

Clostridium difficile B

Shigella spp.
(*S. dysenteriae*, *S. sonnei*,
S. boydii, *S. flexneri*)

Escherichia coli enteropathogenic
(Enterohemorrhagic, enteroinvasive,
enterotoxigenic and enteropathogenic)

Campylobacter jejuni

Campylobacter coli

Campylobacter spp.
(*C. lari*, *C. laridis*, *C. upsaliensis*,
C. jejuni, *C. coli*)

MAIN ADVANTAGES OF MOLECULAR METHODS IN GASTROENTERIC INFECTIONS:

- ⊙ Direct detection of a broad spectrum of gastroenteritis-causing bacteria.
- ⊙ Detection of single or multiple infections of the most prevalent bacteria causing infectious diarrhoea in one test.
- ⊙ Early detection of common pathogens causing outbreaks, such as Salmonella.
- ⊙ No stool culture required.

FEATURES:

- ⊙ The kit is validated for automatic DNA extraction directly from stool samples.
- ⊙ High sensitivity and specificity.
- ⊙ Each bacteria is detected in triplicate.
- ⊙ Results are obtained within 6 hours.
- ⊙ Compatible with any GENOMICA automation system (ACT[®], ACP[®]).
- ⊙ Two quality controls included per sample:
 - **Genomic DNA control:** validates the proper performance of the extraction process and the presence of sample in the test.
 - **Biotin markers:** validate the proper performance of the visualization process.



CLART[®] ENTEROBAC

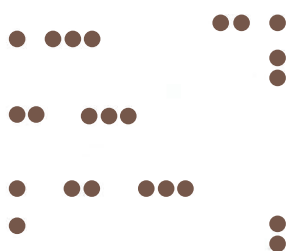
DATA MANAGEMENT:

- ⊙ Automatic reading and interpretation of results (CAR[®], ACP[®]).
- ⊙ User-friendly report format (html, bmp).
- ⊙ Samples are analyzed individually and three complementary reports are generated.
- ⊙ Printable, exportable and storable reports.

REPORTING RESULTS:



- ⊙ Report and image obtained by CAR[®] reader.



Microorganism	Result	Controls
Aeromonas aerolytic*	POSITIVE	Passed
Campylobacter sp	Negative	Passed
Clostridium difficile	Negative	Passed
Enteropathogenic E. coli	Negative	Passed
Salmonella spp.	Negative	Passed

ORDERING REFERENCES:

IVD product for the detection of bacteria causing infectious diarrhoea:

CLART[®] ENTEROBAC AMPLIFICATION

- ⊙ 48 tests: CS-0611-48

CLART[®] ENTEROBAC VISUALIZATION

- ⊙ 48 tests: CS-0711-48

BIBLIOGRAPHY:

1. "Diagnóstico microbiológico de infecciones gastrointestinales". 2nd Ed. (24). Procedimientos en Microbiología Clínica. Sociedad Española de Microbiología Clínica, SEIMC (2007).
2. "Diseño y optimización de un sistema rápido por multiplex- PCR e hibridación en microarray para la detección e identificación de patógenos bacterianos en pacientes con diarrea. Enfermedades Infecciosas y Microbiología Clínica". Vol 29, 33-34 (2011). 15th Congreso de la Sociedad Española de Microbiología Clínica (SEIMC). Junio 2011.

CLART[®] EnteroBac kit, accomplish with all the normative described in EU 98/79/EC for IVD.

CLARTENTEROBACENG001
VERSION 5: JUNE 2021



CONTACT DETAILS:

www.genomica.com
info@genomica.com

Tel.: +34 91 674 89 90
Fax: +34 91 674 89 91

Parque Empresarial Alvento. Edificio B.
Vía de los Poblados, 1. 1st floor 28033 Madrid (Spain)