

Shigella/EIEC and *Salmonella* spp.



Detection of *Shigella/EIEC** (enteroinvasive *E.coli*) and *Salmonella* spp. DNA by real-time polymerase chain reaction



Detection of:

- two *Shigella/ EIEC* virulence factors (*invE* and *ipaH***)
- *Salmonella* spp.



Total bacterial load as a preanalytical stage control



Biomaterial:
Feces and bacterial cultures obtained from this biomaterial



Multiplex format – one tube for one sample



Fast analysis from 2.5 hours, including sample preparation



Automatic generation of the results form



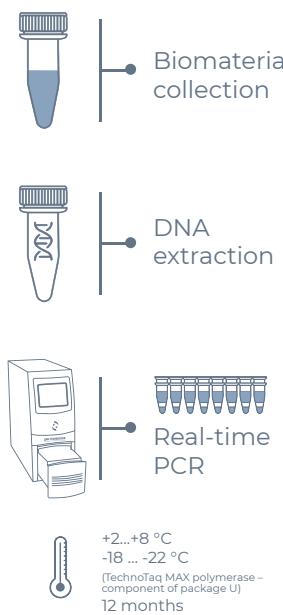
The possibility of automatization of all analysis stages

Detection of acute enteric infection pathogens and screening of asymptomatic infections of *Shigella/EIEC* and *Salmonella* spp.

* Without differentiation

** Detection of at least one of the markers (*ipaH*, *invE*) indicates the presence of *Shigella* or EIEC

Biomaterial	<ul style="list-style-type: none"> ■ Feces ■ Bacterial cultures obtained from feces 	Storage of feces samples: +2...+8 no more than 3 days +18...+25 for no more than 6 hours
DNA extraction kits	Manual extraction <ul style="list-style-type: none"> ■ PREP-MB MAX ■ PREP-GS/PREP-GS PLUS ■ PREP-NA/PREP-NA PLUS ■ PREP-OPTIMA 	AUTOMATIZATION <ul style="list-style-type: none"> ■ PREP-MB MAX
Package	<ul style="list-style-type: none"> ■ Standart (S, strips) ■ Standart (S, tubes) ■ Not pre-aliquoted (U) 	<ul style="list-style-type: none"> ■ Not pre-aliquoted (U)
Equipment	Amplification <ul style="list-style-type: none"> ■ DTprime *M* ■ DTlite *S* ■ CFX96 (Bio-Rad Laboratories) 	Amplification <ul style="list-style-type: none"> ■ DTprime *X* Dosing instruments <ul style="list-style-type: none"> ■ DTstream 12M1 ■ DTstream 15M1
Analytical sensitivity	15 copies per amplification tube	
Time of analysis	From 2.5 hours, including sample preparation	
Number of samples	96 tests, including control samples	



An example of the result form

Shigella/EIEC and Salmonella spp.

Data:
 Tube number:
 Patient:
 Sex:
 Age:
 Physician:
 Comment:

Sample ID:

Test name:	Result
Salmonella spp.	DETECTED
Shigella/EIEC (ipaH)	not detected
Shigella/EIEC (invE)	DETECTED

Conclusion:

DNA of Salmonella spp. is detected.
 DNA of Shigella/EIEC is detected.

Specialized software - automatic results interpretation and creation of a result form



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