

# Shigella detection kit

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## Pathogen and product description

The four species of the genus *Shigella*; *S. dysenteriae*, *S. flexneri*, *S. boydii* and *S. sonnei* cause a wide spectrum of illness from watery diarrhoea to fulminant dysentery. The low infectious inoculum, as few as 10 organisms, render *Shigella* highly contagious. Shigellosis therefore occurs as an endemic disease in populations characterized by over-crowding, poor housing, poor sanitation and inadequate water supply.

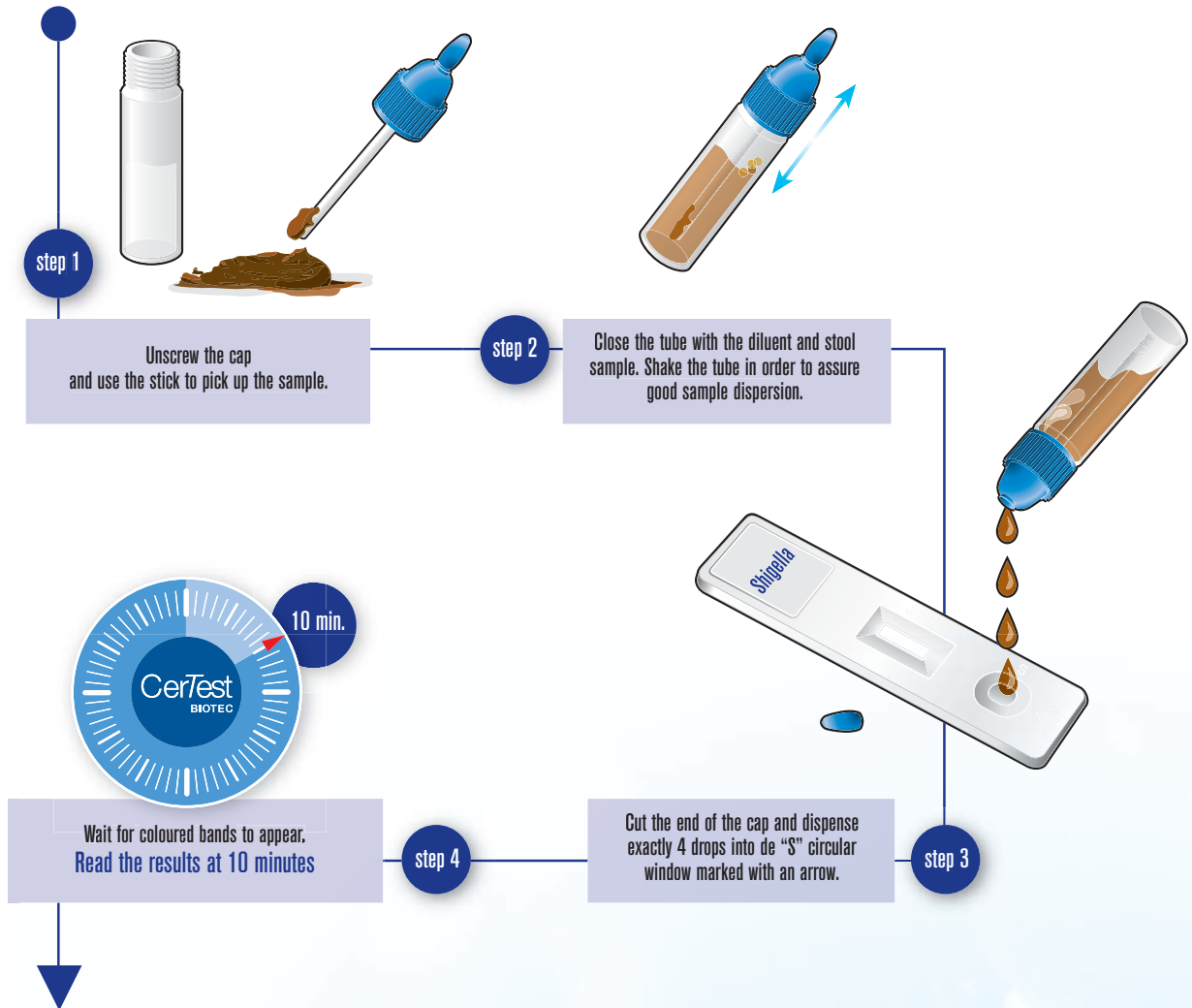
The predominant serogroups of *Shigella* occurring in a region also appears to be related to the socioeconomic development; and evidence also indicates that the severity of shigellosis is related to the infecting serogroup.

For example, *S. dysenteriae* type 1, also known as Shiga bacillus, has been recognized as the major cause of epidemic dysentery for nearly 100 years. Pandemics of Shiga dysentery have spread across Central America, Bangladesh, South Asia and Central and East Africa.

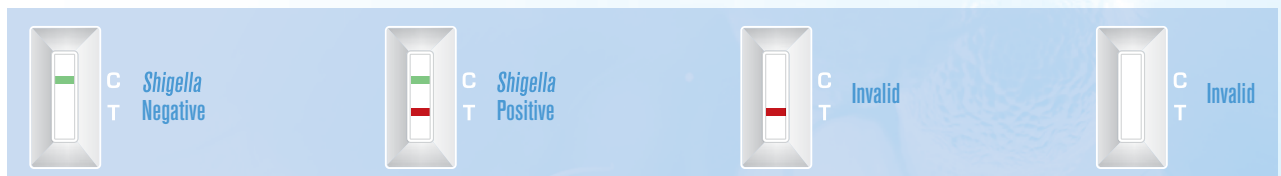
**CerTest *Shigella* one step card test** offers a simple and highly sensitive screening assay to make a presumptive diagnosis of Shigella infection (*S. dysenteriae*, *S. flexneri*, *S. boydii*, *S. sonnei*) in stool samples and *Shigella* suspected colonies in stool culture.



## Test procedure



## Interpretation of results



## Clinical Sensitivity and Specificity

	Sensitivity	Specificity	PPV	NPV
CerTest <i>Shigella</i> vs. Culture	>99%	>99%	>99%	>99%



CERTEST BIOTEC, S.L.  
Pol. Industrial Río Gállego II, Calle J, Nº 1,  
50840, San Mateo de Gállego, Zaragoza (Spain)  
www.certest.es

