



Xpect Enteric Products

C. difficile Toxin A/B
Rotavirus
Giardia
Cryptosporidium
Giardia/Cryptosporidium



The Xpect™ range of immunochromatographic assays provides microbiologists with simple, easy-to-use diagnostic tests for enteric disease.

- Accurate results within 20 minutes
- Simple procedure
- Minimal hands-on time
- Long shelf-life

Xpect performance, ease-of-use and convenience



Enteric Infectious Diseases

Gastroenteritis is an inflammation of the stomach and intestines. The main symptom is diarrhoea, with other symptoms, such as abdominal pain, cramping, nausea and vomiting, also seen. The diarrhoea and vomiting can lead to patients, particularly young children and the elderly, rapidly becoming dehydrated. Although many cases do not require hospitalization, it is estimated that gastroenteritis causes 5-10 million deaths per year worldwide¹.

Gastroenteritis may be caused by viral, bacterial or parasitic infections, with the most common routes of infection being food, contaminated water or contact with an infected person. Although anyone may become infected, people who are at a higher risk include young children, the elderly, immunocompromised people, and travellers.

The rapid differential diagnosis of the cause of infection is important both for patient treatment and appropriate infection control measures. The tests in the Xpect range are quick and easy to perform, giving sensitive and specific results.

Reference: ¹ <http://my.clevelandclinic.org>

Table 1.

Xpect	C. difficile Toxin A/B	Rotavirus	Giardia	Cryptosporidium	Giardia/Cryptosporidium
Product code	R24650	R24655	R2450020	R2451020	R2450520
Tests/kit	20	20	20	20	20
Controls	Included	R246551	R2450030	R2451030	R2450530
Sensitivity %	86.3*	100	97.9	96.4	G=95.8 C=96.4
Specificity %	96.2*	100	97.1	98.3	98.5
Time to results	20 minutes	15 minutes	15 minutes	15 minutes	15 minutes
Preservative options	Fresh or frozen Cary Blair	Fresh or frozen	Fresh or frozen SAF fixative 10% formalin Cary Blair	Fresh or frozen SAF fixative 10% formalin Cary Blair	Fresh or frozen SAF fixative 10% formalin Cary Blair
Kit storage	2-8°C (devices 2-30°C)	Room temperature	2-8°C	2-8°C	2-8°C
Specimen type	Stool specimen	Stool specimen	Stool specimen	Stool specimen	Stool specimen

*10/21 specimens that were CTA positive and Xpect C. difficile Toxin A/B negative were negative by toxigenic culture.
4/25 specimens that were CTA negative and Xpect C. difficile Toxin A/B positive were positive by toxigenic culture



Xpect™ Products

Product Name	Product Code	Tests/Kit
Xpect Flu A&B	R24600	20 (controls included)
Xpect RSV	R24601	30 (controls sold separately)
Xpect Legionella	R24680	20 (controls included)
Xpect C. difficile Toxin A/B	R24650	20 (controls included)
Xpect Rotavirus	R24655	20 (controls sold separately)
Xpect Giardia	R2450020	20 (controls sold separately)
Xpect Cryptosporidium	R2451020	20 (controls sold separately)
Xpect Giardia/Cryptosporidium	R2450520	20 (controls sold separately)
Xpect Flu A&B control swab	R246003	20 Flu A+/B- and 20 Flu A-/B+
Xpect RSV liquid controls	R246012	One each of RSV positive and RSV negative controls
Xpect Rotavirus liquid controls	R246551	One each of Rotavirus positive and Rotavirus negative controls
Xpect Cryptosporidium liquid controls	R2451030	One each of Cryptosporidium positive and Cryptosporidium negative controls
Xpect Giardia/Cryptosporidium liquid controls	R2450530	One each of Giardia positive, Cryptosporidium positive, and negative controls



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