

RIDA® QUICK Rota/Adeno/Noro Combi

Quick detection of the three main viral gastroenteritis agents

- Distinction between Noroviruses of genogroup I and genogroup II
- Quick detection of outbreaks and mixed infections
- Kit includes ready-to-use stool extraction vials
- Simple test execution



The three main viral gastroenteritis agents

Despite the introduction of a vaccine, rotavirus is still the most common cause of severe diarrhea in children under the age of five. In high-risk groups (children, immunosuppressed and elderly patients) severe forms of disease can occur, making rotaviruses particularly significant in nosocomial infections in nursery and pediatric wards and intensive care and oncology units. In 2013, an estimated 215,000 children worldwide died from a rotavirus infection.

Adenoviruses can cause infections of the eyes, respiratory or gastrointestinal tract. Types 40/41 of the adenovirus are the major cause of adenovirus-

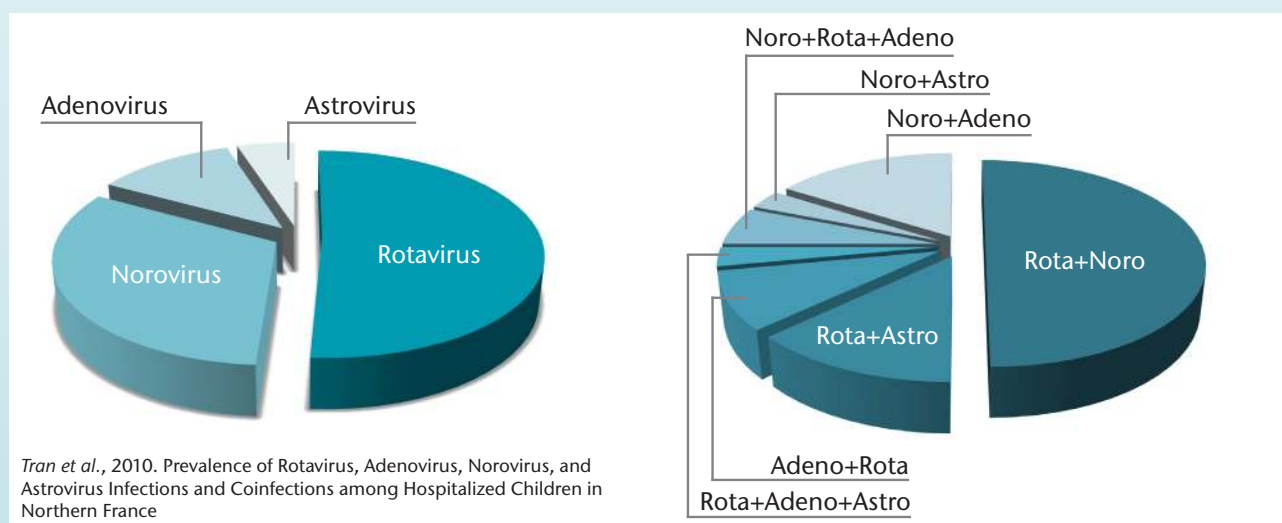
associated gastroenteritis and the third most common causal agent of viral gastroenteritis in children.

One in five cases of acute gastroenteritis worldwide is caused by the norovirus. In developing countries, norovirus causes the death of an estimated 50,000 children. Norovirus incurs a cost of 60 billion USD every year in medical care and productivity losses.

The use of the RIDA®QUICK Rota/Adeno/Noro Combi, available as a double cassette, allows for quick and sensitive detection of the most significant viral gastroenteritis agents.

Perspective – Mixed infections

In practice, mixed infections involving two or more gastroenteritis agents are often observed. RIDA®QUICK Rota/Adeno/Noro Combi enables rapid detection of single and mixed infections within 15 minutes.



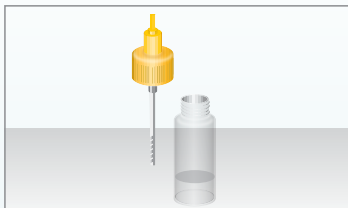
Performance data

	Sensitivity	Specificity
Rotavirus	>99,9 %	98,8 %
Adenovirus	>99,9 %	97,6 %
Norovirus GGI	87,5 %	98,9 %
Norovirus GGII	95,0 %	96,6 %

Based on a retrospective study, diagnostic sensitivity and specificity were investigated. For norovirus and rotavirus detection, PCR, and for adenovirus detection, a quick commercial test, served as a reference method.

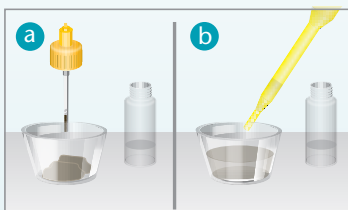
Test procedure

1



Open the screw cap of the sample diluent vial tube.

2



a Take a sufficiently large sample of stool (about 100 mg) using the applicator stick attached to the cap (thoroughly wet the grooved tip).

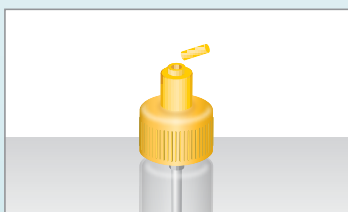
b In the case of a liquid sample, pipette 4 drops (about 110 µl) into the sample diluent vial using a disposable pipette located in the kit.

3



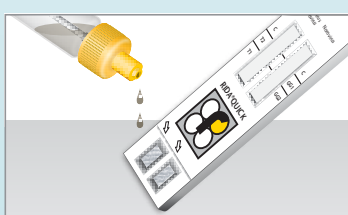
Tighten the screw cap and mix the stool sample thoroughly with the sample diluent vial until a homogeneous suspension is obtained.

4



Break off the screw cap tip.

5



Add four drops into each of the two openings of the cassette.

6

Assessment options

Results	Rota + Adeno + Noro		Rota + Adeno + Noro		Rota + Adeno + Noro		Rota + Adeno + Noro		Rota + Adeno + Noro		Rota + Adeno + Noro		Rota + Adeno + Noro		Rota + Adeno + Noro	
	Rotavirus	Adenovirus	Rotavirus	Adenovirus	Rotavirus	Adenovirus	Rotavirus	Adenovirus	Rotavirus	Adenovirus	Rotavirus	Adenovirus	Rotavirus	Adenovirus	Rotavirus	Adenovirus
	C	T2	C	T2	C	T2	C	T2	C	T2	C	T2	C	T2	C	T2
	GG1	GG2	GG1	GG2	GG1	GG2	GG1	GG2	GG1	GG2	GG1	GG2	GG1	GG2	GG1	GG2
	RIDA*QUICK		RIDA*QUICK		RIDA*QUICK		RIDA*QUICK		RIDA*QUICK		RIDA*QUICK		RIDA*QUICK		RIDA*QUICK	
Assessment	R/A – Noro –		Adeno + Noro –		Rota + Noro –		Rota + Noro GGII +		R/A – Noro GGII +		R/A – Noro GGI +		Invalid			

RIDA® QUICK Rota/Adeno/Noro Combi

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- 20 individually-packed cassettes
- 20 dropper bottles with dilution buffer
- 20 disposable pipettes
- Test instructions

Ordering information

Product	Description	Tests	Matrix	Art. No.
Immunchromatographischer Schnelltest				
RIDA® QUICK Rota/Adeno/Noro Combi	Immunochromatographic rapid test for the detection of rotaviruses, adenoviruses or noroviruses	20 cassettes	Stool	N1903
Controls for RIDA® QUICK Rota/Adeno/Noro Combi				
Rotavirus/Adenovirus Combi Control	Positive control	—	1.8 ml	NP1904
Norovirus Control	Positive control	—	1.8 ml	NP1404

Other RIDA® QUICK products for the detection of viral enteritis

Product	Description	Tests	Matrix	Art. No.
Immunochromatographic rapid test				
RIDA® QUICK Norovirus	Immunochromatographic rapid test for the detection of noroviruses Individually-wrapped cassettes	25 cassettes	Stool	N1402
RIDA® QUICK Rotavirus	Immunochromatographic rapid test for the detection of rotaviruses Individually-wrapped cassettes	20 cassettes	Stool	N0903
RIDA® QUICK Rotavirus	Immunochromatographic rapid test for the detection of rotaviruses Box with dipsticks	25 strips	Stool	N0902
RIDA® QUICK Rotavirus/Adenovirus Combi	Immunochromatographic rapid test for the detection of rotaviruses and/or adenoviruses Individually-wrapped cassettes	20 cassettes	Stool	N1003
RIDA® QUICK Rotavirus/Adenovirus Combi	Immunochromatographic rapid test for the detection of rotaviruses and/or adenoviruses Box with dipsticks	25 strips	Stool	N1002