Rapid test for simultaneous detection of Norovirus, Rotavirus and Adenovirus antigens in stool samples

EFFICIENT

- Easy handling, 3-step test
- Results in 15 mn

RELIABLE

High performances:

- Sensitivity: 96% (Norovirus), 100% (Rotavirus), 100% (Adenovirus)
- Specificity: 100% (Norovirus), 98% (Rotavirus), 100% (Adenovirus)

LONG SHELF-LIFE

25 months, 2-30°C (room temperature storage)
Rotavirus, Norovirus and Adenovirus have been reported as the common viral pathogens of acute gastroenteritis. These viruses are transmitted by feco-oral path. The main symptoms of viral gastroenteritis are diarrhea and vomiting. The affected person may also have headache, fever, and abdominal cramps. Since most viruses causing gastroenteritis cannot be isolated in cell culture, direct visualization in stool specimens by microscopy is still the mainstay of diagnosis. Although, the introduction of more sensitive techniques for antigen detection in stool, based on immunoassay, has improved the diagnosis and makes it easier and more specific.

Test procedure

1. 50mg solid faeces / 50μl liquid faeces
   - Extract solution 0.8 mL
2. Mix well, let stand 3mn
3. Add 90 μL of supernatant to S well
4. Read the test results at 15 mn

Result analysis

- **ADENOVIRUS POSITIVE**
  - C
  - A
  - R
  - N
- **ROTAVIRUS POSITIVE**
  - C
  - A
  - R
  - N
- **NOVOVIRUS POSITIVE**
  - C
  - A
  - R
  - N
- **NEGATIVE**
  - C
  - A
  - R
  - N
- **INVALID**
  - C
  - A
  - R
  - N
  - C
  - A
  - R
  - N
  - C
  - A
  - R
  - N

Double or triple positive can appear at A, R or N indicating positive result for the corresponding test

Kit content

- Tests cassettes
- Swabs
- Buffer vial(s)
- Extraction tubes
- Instructions for use

References

**IMMUNOQUICK® NoRotAdeno**
20 cassettes
Ref 1150013