



# Giardia Rapid Antigen Test



Department of Pathology and  
Laboratory Medicine

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The information contained in this flyer is intended for healthcare professionals.

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## INTRODUCTION:

Giardia antigen detection test is a rapid test for the qualitative detection of Giardia antigen ( $\alpha$ 1-giardin and/or CWP1), in stool samples. It is a simple and highly sensitive screening assay to make a presumptive diagnosis of Giardiasis.

## PRINCIPLE:

The test is based on detection of Giardia antigens ( $\alpha$ 1-giardin and CWP1) by immunochromatography technique in stool samples. Thus, the test can be positive with the presence of both trophozoites and cyst.

## LIMITATIONS:

- Stool samples collected after one week of the onset of symptoms may lead to negative results due to decreased antigen concentration.
- A confirmed diagnosis of infection should be made after correlation of the results with clinical and laboratory findings.
- The sensitivity of the assay is 98%. A negative result does not rule out the diagnosis. If the symptoms or situation persist, detection of Giardiasis should be attempted with another technique (for example microscopy).

## SPECIMEN:

5ml of diarrheal stool, 1g or a walnut-sized portion of stool in wide mouth D/R container.

## REJECTION CRITERIA:

- Samples other than stool
- Stool in transport media, on swabs, or mixed with preservatives.

## CHARGES:

Rs 4500/-

\*Revisions may apply.

## REPORTING SCHEDULE:

Same day reporting if received before 11:am during working days.

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