



# SD BIOLINE Salmonella typhi IgG/IgM Fast

## One Step Salmonella typhi IgG/IgM Test

Typhoid fever is a serious illness caused by a bacteria called *Salmonella typhi*. Symptoms of *Salmonella typhi* infection may be mild to severe and can include fever, headache, loss of appetite, constipation or diarrhea, and nonproductive cough. Typhoid fever is still common in developing countries and affects about 12.5 million persons each year. *Salmonella typhi* bacteria are shed in the urine or stool of infected persons, including chronic carriers. Typhoid fever is spread by eating or drinking contaminated food or water or by direct or indirect contact with fecal material from infected persons.



### General Information

SD BIOLINE Salmonella typhi IgG/IgM Fast test is an immunochromatographic assay for the rapid, qualitative and differential detection of IgG and IgM antibodies to *Salmonella typhi* in human serum, plasma or whole blood.

- IgM : Perfect alternative of Widal test
- IgG : Examination of past infection
- Specific screening test for *Salmonella typhi*
- Test result : 15 - 30 minutes
- Specimen : Serum, Plasma or Whole blood
- Shelf life and storage temperature: 24 months at 2-30 °C
- Performance:
  - Sensitivity : IgG-64.9 %, IgM-94.6%, IgG+IgM-100 %
  - Specificity : IgG-88.3 %, IgM-92.2%, IgG+IgM-85.7 %

### Materials Provided

- Test strip
- Assay diluent
- Disposable loop (1 µl)
- Disposable test tube

### Test Procedure

- Add Assay Diluent**  
 Dispense 4 drops of the assay diluent.
- Add Specimen**  
 Dispense 1 µl of specimen
- Insert Strip**  
 Insert the test strip into the test tube.  
 Wait 15-30 mins.
- Read Results**  
 Interpret the results based on the color bands in the G, M, and C wells:  
 - **Negative**: No bands in G, M, or C wells.  
 - **IgG Positive** (previous typhoid fever infection or re-infection): Band in G well, no band in M well.  
 - **IgM Positive** (acute typhoid fever): Band in M well, no band in G well.  
 - **IgG/IgM Positive** (acute typhoid fever in the middle stage of infection): Bands in both G and M wells.  
 - **Invalid**: No band in C well (control).

### Ordering Information

Product	Cat. No.	Type	Specimen	Pack Size
Salmonella typhi IgG/IgM Fast	15FK12	Strip	Serum/Plasma/Whole blood	25T/Kit