

Scrub Typhus Range

Scrub Typhus Spreads Silently Through Infected Mite Bites

Reliable Results Powered by Precision & Accuracy

RAPID TEST

- Scrub Typhus IgM/IgG/IgA CARD
- Scrub Typhus (TSUTSUGAMUSHI) IgM & IgG CARD

FIA TEST

- Scrub Typhus IgM Quanti CARD

ELISA TEST

- Scrub Typhus IgM MICROLISA

iCLIA

- Scrub Typhus IgM iCLIA



Scan QR Code
For more product &
service information



Since 1969

J. Mitra & Co. Pvt. Ltd.

.....a vision to serve mankind™

Know about Scrub Typhus Disease

Scrub typhus is a mite-borne infectious or zoonotic infection, a disease caused by a bacteria called *Orientia tsutsugamushi* and the infection is found in South East Asia and western Pacific islands. The causative organism, *Orientia tsutsugamushi*, belongs to family Rickettsiaceae is transmitted to humans by the bite of a larval trombiculid mite or chigger. The most common symptoms of scrub typhus include fever, headache, body aches, swollen lymph glands, rash and an eschar at the site of the chigger bite. In the Indian scenario, there is a higher case fatality of 14% when presenting with complications.

Health problems related with Scrub Typhus are Interstitial pneumonia leading to ARDS (Acute Respiratory Distress Syndrome), Renal failure, Septic shock, Jaundice, Meningoencephalitis and Myocarditis.

Diagnosis of Scrub Typhus Disease

The diagnosis is suggested by the clinical history and physical findings and confirmed by PCR, LAMP, biopsy of an eschar or serologic testing. Immuno-based Serological methods like IFA, ICT and ELISA are most outrank for detection of scrub typhus due to their higher sensitivity and specificity.

Scrub Typhus IgM Quanti Card

Fluorescence based Immunoassay for qualitative measurement of scrub typhus IgM antibodies in human plasma/ Plasma

- Principle: Based on most advanced fluorescence immunoassay
- QR Code on each cartridge includes lot specific data, no chip required
- Individually pouched test cartridge
- Sensitivity: 100% & Specificity: 100%
- Results within 20 Minutes
- Long Shelf Life: 15 Months At 2-8°C
- Convenient pack size: 25 tests



Scrub Typhus IgM iCLIA

Chemiluminescence Immunoassay for the Detection of Scrub Typhus IgM Antibodies in Human Serum/Plasma

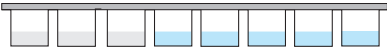
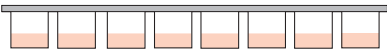
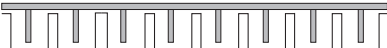
- Based on indirect chemiluminescent microparticle immunoassay
- Acridinium Ester (AE) based kit for more accurate results
- Test result within 40 minutes
- Excellent Sensitivity & Specificity: 100%
- Long shelf life: 12 months at 2-8°C
- Onboard stability of reagents: 30 days at 2-8°C
- Convenient pack size: 50 Tests
- Prompt service back-up



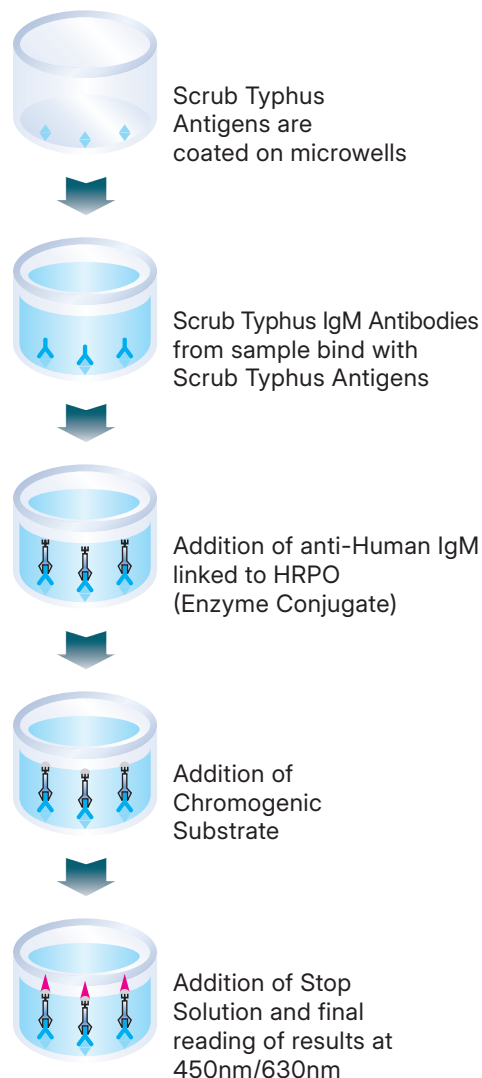
Scrub Typhus IgM Microlisa

Microwell ELISA Test for the Detection of Scrub Typhus IgM Antibodies in Human Serum/ Plasma

Test Procedure

Dilute Sample (1:101) sample 5 µl + sample diluent 500 µl																																																					
Add 100 µl diluted samples & Ready to use controls																																																					
Cover the plate & incubate for 30 minutes at 37°C																																																					
Wash 5 Cycles																																																					
Add 100 µl enzyme conjugate (Ready to use)																																																					
Cover the plate & incubate for 30 minutes at 37°C																																																					
Wash 5 Cycles																																																					
Prepare Working Substrate	<table><tr><td>No. of strip</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr><tr><td>TMB</td><td>0.5</td><td>1.0</td><td>1.5</td><td>2.0</td><td>2.5</td><td>3.0</td><td>3.5</td><td>4.0</td><td>4.5</td><td>5.0</td><td>5.5</td><td>6.0</td></tr><tr><td>Substrate (ml).</td><td>0.5</td><td>1.0</td><td>1.5</td><td>2.0</td><td>2.5</td><td>3.0</td><td>3.5</td><td>4.0</td><td>4.5</td><td>5.0</td><td>5.5</td><td>6.0</td></tr><tr><td>TMB</td><td>0.5</td><td>1.0</td><td>1.5</td><td>2.0</td><td>2.5</td><td>3.0</td><td>3.5</td><td>4.0</td><td>4.5</td><td>5.0</td><td>5.5</td><td>6.0</td></tr></table>	No. of strip	1	2	3	4	5	6	7	8	9	10	11	12	TMB	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	Substrate (ml).	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	TMB	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
No. of strip	1	2	3	4	5	6	7	8	9	10	11	12																																									
TMB	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0																																									
Substrate (ml).	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0																																									
TMB	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0																																									
Add 100 µl working Substrate																																																					
Cover the plate & incubate for 15 mins in dark at room temperature 20-30°C																																																					
Add 100 µl Stop Solution and Read Results 450 nm /630 nm																																																					

Test Principle



- Based on "Indirect ELISA"
- Excellent Sensitivity & Specificity: 100% from referral lab
- Ready to use Enzyme Conjugate
- Unique Break-away wells provided in 24 tests pack for user convenience
- Assay Procedure: 75 minutes
- Shelf Life : 24 Months at 2-8°C
- Colour Coded reagents to monitor procedural steps

Scrub Typhus (TSUTSUGAMUSHI) IgM & IgG CARD

Rapid Visual test for the Differential Detection of IgM & IgG antibodies to Scrub Typhus in Human Serum/ Plasma



Available Packsize: 20 Tests & 50 Tests

Result Interpretation



Reactive for Scrub Typhus
IgM & IgG antibodies



Non-Reactive for
Scrub Typhus antibodies



Reactive for
Scrub Typhus IgM antibodies

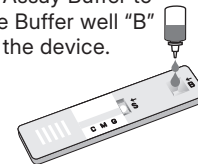


Invalid

If no control line 'C' appears after the completion of test, the test should be treated as Invalid.
Repeat the test using new device.

Step-2

Add 2 drops (70 µl)
of Assay Buffer to
the Buffer well "B"
of the device.



Step-3

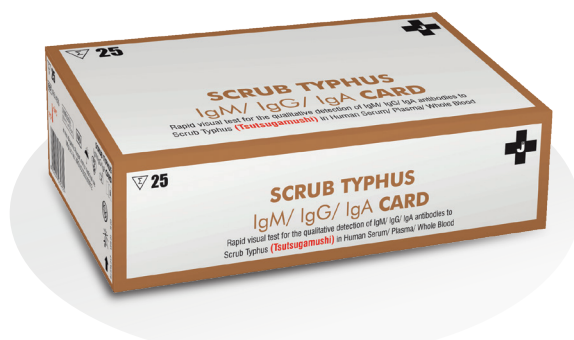
Read results at
20 minutes



Do not read results
after 30 minutes

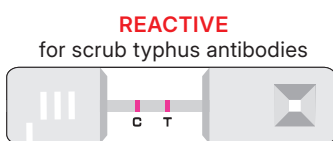
Scrub Typhus IgM/IgG/IgA CARD

Rapid, visual test for the qualitative detection of IgM/IgG/IgA antibodies to Scrub Typhus (Tsutsugamushi) in Human Serum / Plasma/ Whole Blood.

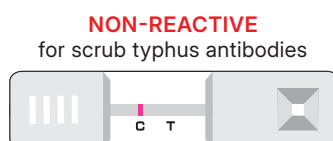


Available Packsize: 25 Tests

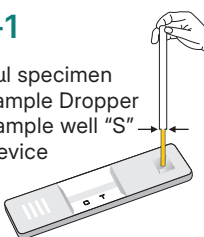
Result Interpretation



REACTIVE
for scrub typhus antibodies



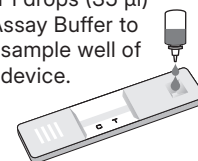
NON-REACTIVE
for scrub typhus antibodies



Add 10 µl specimen
using Sample Dropper
to the sample well "S"
of the device

Step-2

Add 1 drops (35 µl)
of Assay Buffer to
the sample well of
the device.



Step-3

Read results at
20 minutes



Do not read results
after 30 minutes



INVALID



If no control line 'C' appears after the completion of test, the test should be treated as Invalid. Repeat the test using new device.



J. Mitra & Co. Pvt. Ltd.

.....a vision to serve mankind™



A 180-181, Okhla Indl. Area, Phase-1, New Delhi - 110 020, INDIA | Tel: +91-11-47130300, 47130500
E-mail: jmitra@jmitra.co.in | Website : www.jmitra.co.in

ISO 13485:2016
ICMED 13485