TYPHILIZA

ELISA kit for the detection of specific IgM antibodies against a specific antigen for *Salmonella typhi*.

FEATURES

- Convenient - can use EIA microtitre strip or well plate
- Ideal for private or hospital laboratories that screen large number of tests per day

BENEFITS

- Early and definitive diagnosis of typhoid fever
- Results are easy to interpret
- Very small volume (1 µl) of serum used
- High sensitivity and specificity
- Can screen a large number of samples at one time

PERFORMANCE CHARACTERISTICS

Method	: Enzyme Immunoassay
Detection	: Specific human IgM antibodies against specific *Salmonella typhi* antigen in human serum
Specimen	: Serum
Specimen volume	: 1 µl
Shelf life	: 12 months
Assay time	: 2.5 hours

TEST PERFORMANCE

Sensitivity	: 97%
Specificity	: 96%
Positive Predictive Value	: 96%
Negative Predictive Value	: 97%

APPLICATION

For the detection of accute typhoid fever in places such as hospitals or laboratories.

ORDERING INFORMATION

MBDr/T04/96T

MOODY INTERNATIONAL CERTIFICATION
UKAS QUALITY MANAGEMENT
Reg. No. 06454 (Ukas)
BS EN ISO 9001 : 2000 Certified

PROCEDURE FOR TYPHILIZA

i. Prepare the wells in duplicate for Positive and Negative Controls and in single for Blank and Samples.

ii. Dilute samples in Diluent buffer (A1) to a final dilution of 1:100. Pipette 100 µl of Controls and Samples into the corresponding wells. Pipette 100 µl of Diluent buffer into the Blank well.

iii. Cover the tray with aluminium foil and incubate for 1hour at 37°C.

iv. Wash the wells 4 times with 400 µl of diluted Wash buffer. After the final washing cycle, turn the strips/plate down onto blotting paper or clean towel, and tap to remove any remaining solution.

v. Add 100 µl of Prediluted Anti-Human IgM*HRP (B1) into each well.

vi. Cover the tray with aluminium foil and incubate for 1 hour at 37°C.

vii. Wash the wells as described in step (iv).

viii. Pipette 100 µl of previously prepared ABTS Substrate Reagent into all wells. Cover the plate with aluminium foil and incubate at room temperature for 10 minutes, avoiding direct light exposure.

ix. After 10 minutes, add 100 µl of Stop Solution (D1) into all well.

x. Read the absorbance of the wells at 405 nm with a bichromatic spectrophotometer, preferably with reference wavelength at 492 nm (setting the instrument at zero with Blank well). Read the absorbance within 5 minutes after stopping the reaction.

INTERPRETATION OF RESULTS

Test is valid if:

Mean O.D of negative control is equal or lower than 0.200
Mean O.D of positive control is equal or higher than 0.700

The cut-off value for the test is O.D. 0.300. An O.D. value above 0.300 is taken as positive ELISA result while an O.D. value below 0.300 is a negative result.