

## FTA-ABS

Fluorescence *Treponema pallidum*  
antibody absorption test



- **Specimen:**  
serum and plasma
- **Easy sample preparation for the determination of IgG and IgM**
- **Optional use of the slides for IgG and IgM determination**
- **Same storage conditions for all reagents (2–8 °C)**
- **For IgG and IgM determination single components are available**

## MASTAFLUOR™ FTA-ABS

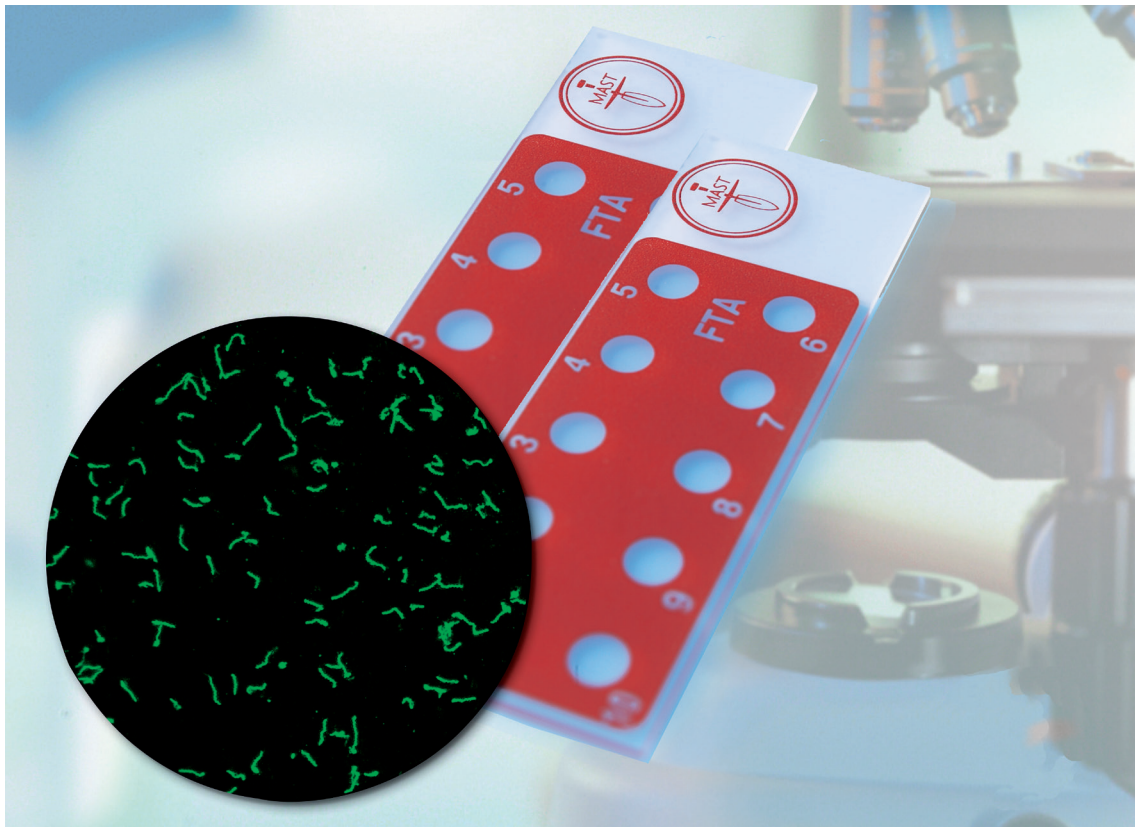
In most of the European countries a gradual approach screening – confirmatory test is well established to determine degree of syphilis infection.

TPPA (*T. pallidum* particle agglutination assay) as well as TPHA (*T. pallidum* haemagglutination assay) are mainly used for screening. These assays obviously show a higher sensitivity for serum scars compared to other immunological methods.

FTA-ABS test is highly specific and sensitive in all stages of syphilis infections. It is used worldwide as confirmatory test of positive screening samples. Alternatively blots are used but sensitivity is not always sufficient to confirm positive screening results

FTA-ABS IgM is a confirmatory test as well as an activity marker of the disease. In primary infections already positive IgM reactions may be obtained while unspecific activity markers (e.g. VDRL) are still negative. In latent infections the reactions may be vice versa, that means partially negative IgM results but positive antibody reaction against lipoids.

Next to pathogen-specific IgM other non specific lipid antibodies are used as activity markers. These non-specific markers e.g. VDRL or RPR should be determined quantitatively and used to complement the quantitative IgM-determination.



### Your advantages of MASTAFLUOR™ FTA-ABS:

- Specimen: serum and plasma
- No heat inactivation of samples at 56 °C mandatory
- Easy sample preparation for the determination of IgG and IgM
- Conjugate and controls are ready to use
- Same storage conditions for all reagents (2–8 °C)
- Optional use of the slides for IgG and IgM determination
- For IgG and IgM determination single components are available

## Flowsheet for the FTA-ABS assays

### IgG

Predilute sample with sorbent  
(serum / plasma 1:5; CSF 1:3)



Incubate for 30 min at 37 °C



Pipet 20 - 25 µL of prediluted samples  
or controls to the slides



Incubate in a moisture chamber  
for 30 min at 37 °C



Wash slides with PBS for 15 min



Add 1 drop (20 - 25 µL)  
of FITC-labelled IgG conjugate



Incubate in a moisture chamber  
for 30 min at 37 °C



Wash slides with PBS for 15 min



Coverslip using a minimal amount  
of mounting medium



Seal the slide and read on a fluorescence microscope  
(Excitation filter 490 nm, barrier filter 510 nm)

Reaction time:  
120 min

### IgM

Mix 20 µL sorbent and  
60 µL MASTSORB™



Add 20 µL sample  
(final dilution of serum / plasma is 1:5)



Incubate for 30 min at 37 °C



Centrifuge for 5 min (Eppendorf centrifuge)



Pipet 20 - 25 µL of supernatant  
or controls to the slide



Incubate in a moisture chamber  
for 60 min at 37 °C



Wash slides with PBS for 15 min



Add 1 drop (20 - 25 µL)  
of FITC-labelled IgM conjugate



Incubate in a moisture chamber  
for 30 min at 37 °C



Wash slides with PBS for 15 min



Add a small drop of mounting medium onto each well,  
cover slides with a cover slip



Seal the slide and read on a fluorescence microscope  
(Excitation filter 490 nm, barrier filter 510 nm)

Reaction time:  
155 min

## Ordering information

Order Code	Product	Pack Size
630522	FTA-ABS IgG Kit <small>€2797</small>	10 x 10
630525	FTA-ABS IgM Kit <small>€2797</small>	10 x 10
640522	FTA-ABS slides	10 x 10
620521	FTA-ABS control IgG positive	1 mL
620525	FTA-ABS control IgM positive	0,5 mL
626284	FITC-conjugate anti-human IgG ( $\gamma$ -chain) ready to use	3 mL
626285	FITC-conjugate anti-human IgM ( $\mu$ -chain) ready to use	3 mL
626291	FITC-conjugate anti-human IgG ( $\gamma$ -chain) ready to use	2 mL
626292	FITC-conjugate anti-human IgM ( $\mu$ -chain) ready to use	2 mL
626281SO	FTA-ABS Sorbent set (ready to use) <small>€€</small>	2 x 4 mL
651003	MASTSORB™ (Rheumatoid factor absorbent) <small>€€</small>	2 mL

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