



# NEWBIO SYPHILIS EIA



## PRINCIPLE OF THE TEST

NewBio-Syphilis TA is a one step sandwich assay using recombinant antigens for enhanced sensitivity and specificity. The assay is for use with plasma and serum samples and will detect antibodies at all stages of infection. Antibodies are captured by recombinant antigens on the plate and marked by HRP recombinant conjugates for visualisation with TMB substrate. The reagents and protocol ensure ease of use and assay control.

## SPECIFICITY

A study on 300 donor serum showed 100% specificity. (95% confidence limits 99.7-100%)

A study on 300 donor EDTA plasma showed 100% specificity. (95% confidence limits 99.7-100%)

## SENSITIVITY

A study on 100 syphilis positive samples showed 100% sensitivity. (95% confidence limits 99.7-100%)

## ANALYTICAL SENSITIVITY

NewBio-Syphilis TA has a sensitivity of 0.0015 IU/ml against the 1st IS for human syphilitic plasma IgG and IgM NIBSC code: 05/132



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## KEY FEATURES

- ✓ Quality Assured - 25 years experience
- ✓ Ready to use stable liquid reagents
- ✓ 24 Months shelf life
- ✓ Qualitative protocols
- ✓ Results ready in 60 minutes
- ✓ Automated reading
- ✓ Suitable for automation
- ✓ Convenient kit sizes

### NEWBIO SYPHILIS EIA 96 TOTAL ANTIBODY TEST KIT

PRODUCT NO: NB010

QUANTITY: 96 Tests

STABILITY: 24 Months

## NEWBIO EIA TA 96 TESTS:

- One step sandwich assay for Syphilis IgG, IgM and IgA
- Recombinant antigens 15kDa, 17kDa and 47kDa
- All reagents ready to use (excluding 20 x wash buffer)
- Positive Control
- Negative Control
- Solid phase 8 well strips
- HRP Conjugate
- TMB Substrate
- Stop Solution
- Wash buffer 20 x concentration
- Simple protocol: 2 x 30 minute incubations
  - Manual
  - Automatable
- Standard 50µL
- Sample and reagent check
  - Single visual/readable colour change (OD<sub>550</sub>) on addition of conjugate to sample