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DIESSE Syphilis Screen Recombinant

PRINCIPLE OF THE TEST

Syphilis Screen Recombinant is an ELISA kit based on the direct sandwich method for the detection of total antibodies against *Treponema pallidum* in serum or plasma. During incubation, the antibodies present in the sample are immunologically coupled to the solid phase antigen as well as to the antigen labelled with horseradish peroxidase (HRP), creating an antigen-antibody-antigen-HRP “sandwich”. The antigen is constituted of immunodominant recombinant proteins of *T. pallidum*. Washing eliminates the unbound conjugate and the bound enzymatic activity is determined by adding a chromogenic substrate. The blue reaction which develops turns yellow on addition of the stop solution (see figure over the page). The intensity of the colour is proportional to the antibody concentration in the sample.

BENEFITS OF THE KIT

Syphilis Screen Recombinant has been designed to be particularly “user-friendly” and easy to handle.

- **Sensitivity: 100%, Specificity: 99.7%.**
Reference: H. Young et al. (2000) *Int J STD & AIDS* 11: 288-291.
- **Ready to use stable, liquid reagents:**
The conjugate (recombinant antigen labelled with HRP), substrate (TMB) and STOP solution are liquid and ready to use. The reagents are stable up to expiry date, once opened, if stored at 2 – 8°C after use.
- **No sample pre-dilution**
- **Results in 40 minutes**
30 minutes sample incubation, 10 minutes enzymatic reaction.
- **One-step procedure**

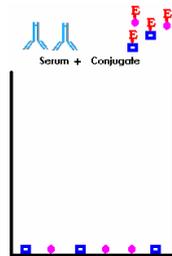
Ordering Information:

PRODUCT CODE: 91100

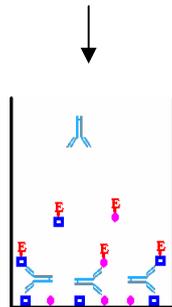
PACK SIZE: 192 Tests



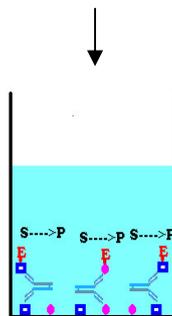
Schematic Diagram of Recombinant Syphilis



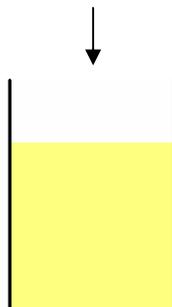
Add sample + conjugate



Incubate for 30 minutes
at 37°C



Add substrate and
incubate for 10 minutes
at room temperature



Read at 450nm