

Treponema Pallidum Antigen

Product Description

Although *T pallidum* cannot be grown in culture, there are many tests for the direct and indirect diagnosis of syphilis. There is no single optimal test. Direct diagnostic methods include the detection of *T pallidum* by microscopic examination of fluid or smears from lesions, histological examination of tissues or nucleic acid amplification methods such as polymerase chain reaction (PCR). Indirect diagnosis is based on serological tests for the detection of antibodies. Serological tests fall into two categories: nontreponemal tests for screening, and treponemal tests for confirmation. Treponemal tests use *T pallidum* or its components as the antigen.

APS are able to offer antigens used for the diagnosis of syphilis. We can offer treponema based product in two grades:

Grade 1 antigen is supplied with no background debris / material of immune response making it suitable for sensitive immunoassays including instrument based diagnostics.

Grade 2 antigen is supplied with immune response cells present (ballast) making it suitable for use in Treponema Pallidum Haemagglutinin Assays (TPHA).

Product Information

Product Code	Product Description
TPA-001	Grade 1 TP Antigen, Treponemes
TPA-002	Grade 2 TP Antigen, Treponemes

Material supplied as Cell Suspension 5-6 x 10⁸ cells/ml in 0.1M Phosphate buffered saline with 0.1% Sodium Azide. A Certificate of Analysis also confirms that the bacterium used in the manufacture of the antigen is non motile and incapable of causing infection.

Shipping & Handling

Treponeme material ships on dry ice. Recommended storage is -20°C or below.

Support

Antibody Production Services is a division of Life Science Group Ltd.

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