

RPR VDRL CARBON / TPHA

SEROLOGY RAPID TESTS



Select the right combination to diagnose Syphilis

2 complementary agglutination tests for the detection of treponemal and non-treponemal antibodies in serum



Treponema pallidum

- ◆ All-in-one kits (controls included)
- ◆ Qualitative or semi quantitative approaches available
- ◆ Cost effective, routine laboratory test
- ◆ High sensitivity and specificity
- ◆ Fast results for clinicians

Principle

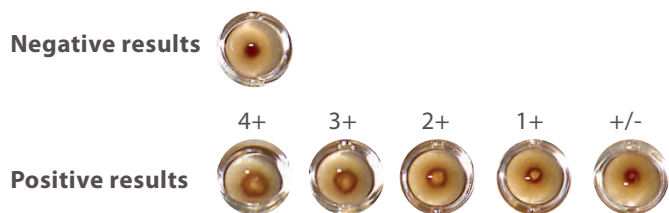
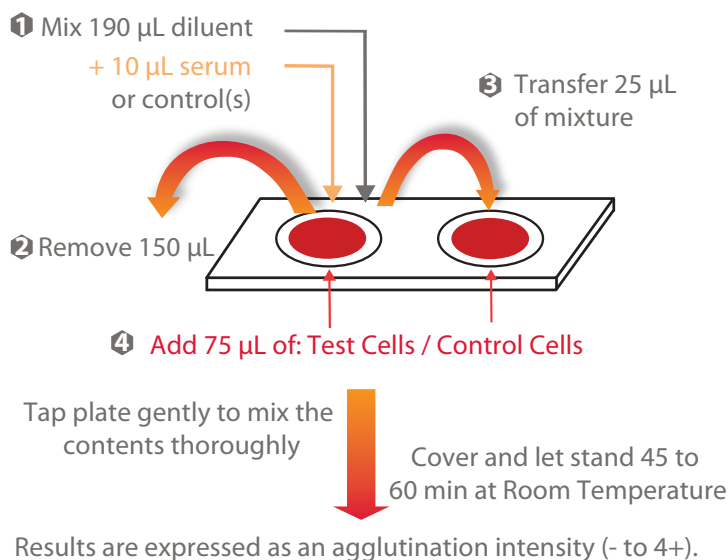
During Syphilitic infection, 2 groups of antibodies are detectable: **nontreponemal antibodies** which react with nonspecific antigens (**RPR VDRL test**), and **treponemal antibodies** which react with the specific antigens to *T. pallidum* (**TPHA test**).

RPR VDRL test is a serologic cardiolipidic and nontreponemic test for the quick detection of Syphilis. The reagent consists of a suspension of cardiolipin/lecithin/cholesterol and carbon particles in order to improve the visual reading. Cardiolipidic antigens react with the antibodies (reagin) present in the sample and form macroscopically visible black dumps.

TPHA test detects human *T. pallidum* antibodies by an haemagglutination method. Avian erythrocytes are sensitized with *T. pallidum* fragments. In the presence of specific anti-*T. pallidum* antibodies, sensitized erythrocytes (**Test Cells**) agglutinate resulting in characteristic clouding at the bottom of the wells of the microtitre plate. In the absence of antibodies, they sediment and form a very dense ring or compact button in the bottom of the well. Unspecific reactions are detected using **Control Cells** which are unsensitized erythrocytes.

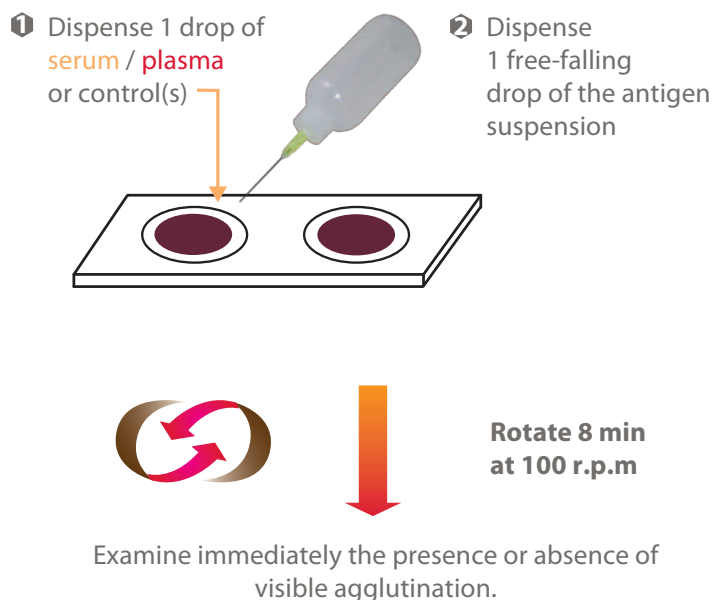
Methodology

TPHA (QUALITATIVE PROCEDURE):



All positive results (+/- to 4) must be tested with the semi-quantitative procedure (see technical insert).

RPR VDRL (QUALITATIVE PROCEDURE):



For the semi-quantitative procedure, please refer to the technical insert.

Product range

REF.	NAME	QTY	SENSITIVITY	SPECIFICITY
RPRL-0100	RPR VDRL CARBON	100 tests	>99%	>99%
TPHA-0100	TPHA	100 tests	98.5%	99.6%
TPHA-0004	MICROPLATES	5 units		

Product not available in the US. Please contact your sales representative for product availability in your country

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