SpermMar Test IgA

A qualitative beads test for detection of Sperm Antibodies of the IgA class

Non-spermicidal condom
» bright field, dark field or phase contrast
A certificate of analysis and MSDS are available on request

Rubber bulb*
»
»
Microscope slides 76x26 mm*
SPMA_S SpermMar Test IgA single kit – 50 tests

Sperm Antibodies of the IgA class

The bulk of the IgA class antisperm antibodies are secreted and are adequately detected on spermatozoa or in serum with the SpermMar Test IgA. Antibodies when bound to complement C3 of the IgA class, which mainly have aggregating properties (16), rarely occur without antibodies of the IgG class (6), but their meaning for male infertility may be more important. Indeed, patients containing sperm antibodies of the IgG class with IgA antibodies, or sperm IgA antibodies alone have very little chance of improving their partner's fertility through natural ways (20). Hence, detection of antibodies of the IgA class is of the utmost importance both for diagnosis and prognosis (21).

The bulk of the IgA class antibodies are secreted by the accessory sex glands (23). They are present on the spermatozoa and sometimes in seminal plasma, but usually are absent in serum. Therefore, testing for sperm antibodies of the IgA class in seminal plasma, in cases with low sperm concentration or motility, might be especially useful to prove the possible clinical meaning of these antibodies is questionable.

The direct SpermMar Test IgA is a test for the detection of sperm coating antibodies, performed on either fresh spermatozoa, or spermatozoa which are isolated from seminal plasma by means of a cycle of suspension, centrifugation, resuspension and reagglutination in medium. These spermatozoa are mixed with the beads which are coated with antibodies anti-IgA. The formation of mixed agglutinates of motile spermatozoa with beads indicates the presence of IgA antibodies on the spermatozoa (1.5, 9, 10, 17).

PRODUCT ORDER CODES
SPMA_S SpermMar Test IgA single kit – 50 tests
SPMA_C SpermMar Test IgA complete kit – 50 tests

MATERIALS INCLUDED WITH THE TEST
» 1 x 1 containing 2.7 ml SpermMar Test IgA beads
» Microcapillary pipette or Microcapillary pipette
» Complete test kit

A certificate of analysis and MSDS are available upon request or can be downloaded from our website (www.fertipro.com).

MATERIALS NOT INCLUDED WITH THE TEST
» Light microscope (with 40x to 60x magnification, bright field or dark field or phase contrast)
» Non-spermicidal condom

DIRECTIONS FOR USE

We recommend to wash our slides before the storage and handling of biological samples.

We recommend to use our slides for 1 year after expiration.

REAGENT STORAGE
When stored properly, SpermMar Test IgA kit is stable for 12 months from date of manufacturing. SpermMar Test IgA kit must be stored between 2° and 8°C when not in use. DO NOT FREEZE REAGENT. Suitable for transport in short term storage at elevated temperatures (up to 5 days at 37°C).

WARNINGS AND PRECAUTIONS
Handle all samples as if capable of transmitting HIV or Hepatitis. Always wear protective gloves when handling specimens. SpermMar Test IgA contains 0.1% tween 80: Serum Albumin of US origin.

BIBLIOGRAPHY

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