

TEST: ANTI-SPERM ANTIBODY (IgG, IgM, and IgA)

PRINCIPLE:

The Varelisa Sperm Antibody assay is an indirect, noncompetitive enzyme immunoassay for the qualitative determination of sperm antibody in serum or plasma. The wells of a microtiter plate are coated with sperm surface antigens that specifically bind anti-sperm antibodies present in the patient sample. In a second step, the antigen-antibody complexes react with an enzyme-labeled second antibody that leads to the formation of an enzyme-labeled antigen-antibody sandwich complex. The enzyme-label converts added substrate to form a colored solution. The rate of color formation from the chromogen is a function of enzyme conjugate complexed with bound antibody and is proportional to the initial concentration of the respective antibodies in the patient sample.

SPECIMEN REQUIREMENTS:

2ml serum collected in a red top tube with no additive. The serum should be separated from the clot and stored at 2-8°C up to one week. If not tested within one-week store at -20°C or lower. Avoid repeat freeze-thaw cycles. Serum that is hemolyzed, lipemic or contains visible particles will not be accepted.

METHOD:

Enzyme Linked Immunoassay (ELISA)

REFERENCES:

1. Schulman, S., Am. J. Reprod. Immunol. Microbiol. 10, 82 – 89.
2. Ruemke, P., Hellings, G., Am. J. Clin. Pathol. 32, 357 – 363.
3. Schulman, S., Clin. Experimental Immunol. 9, 267 – 288.

Normal Range: Negative
Reported as positive or negative

Turnaround Time: One Week