Clinical relevance of anti-sperm antibodies

Importance in the clinical routine for Gynecologists to diagnose fertility disorders.

Around 30% of all infertility cases of unknown aetiology originate in an immunopathological response of the female patient.

Autoantibodies in serum of female patients directed against antigens of the zona pellucida and anti-zona pellucida antibodies may play a crucial role in female infertility and in the outcome of an assisted reproduction therapy. Anti-zona pellucida antigens may inhibit egg maturation as well as the binding of or penetration by spermatozoa.

Application of the anti-zona pellucida antibody tests is recommended for all female patients showing fertility disorders of unknown aetiology or ovary malfunctions as well as in preparation for assisted reproduction therapy.

Pregnancy rates of these patients with anti-zona pellucida antibodies are drastically reduced even after an in-vitro fertilization therapy.

BIOSERV Diagnostics offers different anti-zona pellucida antibody detecting systems for different purposes:

- anti-zona pellucida antibody ELISA for the quantitative determination of all immunoglobulins (total Ig) in serum
  Order Code No.: BS-20-20
- anti-zona pellucida antibody ELISA Ig-classifying, for the quantitative differentiation of IgG, IgA and IgM in serum
  Order Code No.: BS-20-50
- anti-zona pellucida antibody latex agglutination test (semi-quantitative detection of all immunoglobulins)
  Order Code No.: BS-20-10
- anti-zona pellucida antibody haemagglutination test (semi-quantitative detection of all immunoglobulins)
  Order Code No.: BS-20-30

ALL TEST KITS ARE READY FOR USE.

BIOSERV Diagnostics is a member of the R-Biopharm Group

Address: BIOSERV Diagnostics GmbH
Doberaner Str. 151
18057 Rostock/GERMANY
Phone: +49(0)381-37 58 20 90
Fax: +49(0)381-37 58 20 99
E-Mail: info@bioserv-diagnostics.com
Internet: www.bioserv-diagnostics.com

Certified Quality Management System

Anti-zona pellucida antibody tests

- Zona Pellucida antibody ELISA
- Zona Pellucida antibody latex agglutination test
- Zona Pellucida antibody haemagglutination test
Advantages

- Qualitative determination of human anti-zona pellucida antibodies
- Recommended test alternative for the physician
- Zona Pellucida antibody latex agglutination test
- Order code no. BS-20-10
- Shelf life 15 months after date of manufacture
- EU registration number DE/CA81/IVD1705

- Quantitative determination of human anti-zona pellucida antibodies
- Well-established also for use with automates
- Processing time 150 minutes
- Zona Pellucida antibody ELISA (total Ig, serum)
  - Order code no. BS-20-20
  - Shelf life 9 months
  - EU registration number DE/CA81/IVD1697

- Zona Pellucida antibody ELISA (Ig-classifying, serum)
  - Order code no. BS-20-50
  - Shelf life 9 months
  - EU registration number DE/CA81/IVD1699

Advantages

- Qualitative determination of human anti-zona pellucida antibodies
- Recommended test alternative for the physician
- Zona Pellucida antibody haemagglutination test
- Order code no. BS-20-30
- Shelf life 4 months after date of manufacture
- EU registration number DE/CA81/IVD1704

- Zona Pellucida antibody ELISA (Ig-classifying, serum)
  - Order code no. BS-20-20
  - Shelf life 9 months
  - EU registration number DE/CA81/IVD1699

- Zona Pellucida antibody ELISA (total Ig, serum)
  - Order code no. BS-20-10
  - Shelf life 15 months after date of manufacture
  - EU registration number DE/CA81/IVD1705