EIA Toxocara IgG

Description:

- Microtitre wells are coated with the excretory-secretory ('ES') antigen isolated from the cultured larvae of Toxocara canis.
- If present, specific antibodies bind to the antigen. The complex is labelled with Conjugate and detected through a colour reaction with substrate (TMB-Complete).
- The kit enables 96 tests (including controls) within the microtitre plate made of colour-coded strips and breakable wells.
- The kit contains the Avidity solution, which enables quantitative determination of bond strength of an antibody-antigen complex. Based on this fact, it is possible to distinguish between acute and chronic phase of the disease.
- High sensitivity and specificity.
- Total assay time: approximately 1.5 h.
- CUT-OFF included.
- Semiquantitative evaluation using the index of positivity (IP).
- Controls, Conjugate and substrate (TMB-Complete) are supplied in working strength.
- Colour reagents for easy pipetting.
- Each batch is tested in the National Reference Laboratory.
- Shelf life: 18 months.

Application:

- Laboratory screening test for the detection of toxocariasis (larva migrans).
- Differential diagnosis of acute and chronic phase of the disease.
- Monitoring of antibody levels following therapy.
Brief assay procedure:

1. Dilute samples (1:101).
2. Pipette controls and diluted samples.
3. Incubate for 30 min at 37 °C.
4. Aspirate and wash the wells 5 times.
5. Add Conjugate.
6. Incubate for 30 min at 37 °C.
7. Aspirate and wash the wells 5 times.
8. Add substrate (TMB-Complete).
9. Incubate for 15 min at 37 °C.
10. Add Stopping solution (H2SO4).
11. Read photometrically at 450 nm.
12. Evaluate results.