Cellabs Product Profile

TOXOCARA IgG CELISA

INTENDED USE AND PRINCIPLE OF THE TEST

The Toxocara IgG CELISA is designed to detect and measure antibodies to *Toxocara canis* excretory-secretory (ES) antigen produced during infection in humans. The indirect ELISA principle is employed using Toxocara ES antigen coated on the inner surface of the microwells. The test sample is added to the microwell and incubated to allow the binding of antibody to the antigen surface, washed to remove the unbound, then followed by the addition of an enzyme conjugated anti-human IgG antibody. The development of a blue colour complex after the addition of a substrate solution indicates the presence of, and proportional to the *Toxocara canis* antibody in the test sample.

CONTENTS OF THE KIT

TXMW	Celisa Plate – 1 x 96 wells - (single use only)	2 plates
CONTROL +	Positive Control	0.2mL
CONTROL -	Negative Control	0.2mL
TXPO	Enzyme Conjugate (200x)	0.2mL
TXPT	PBS/Tween (20x)	110mL
TXSC	Substrate Chromogen (TMB) (20x)	1.5mL
TXSB	Substrate Buffer	24mL
TXSS	Stopping Solution	12mL

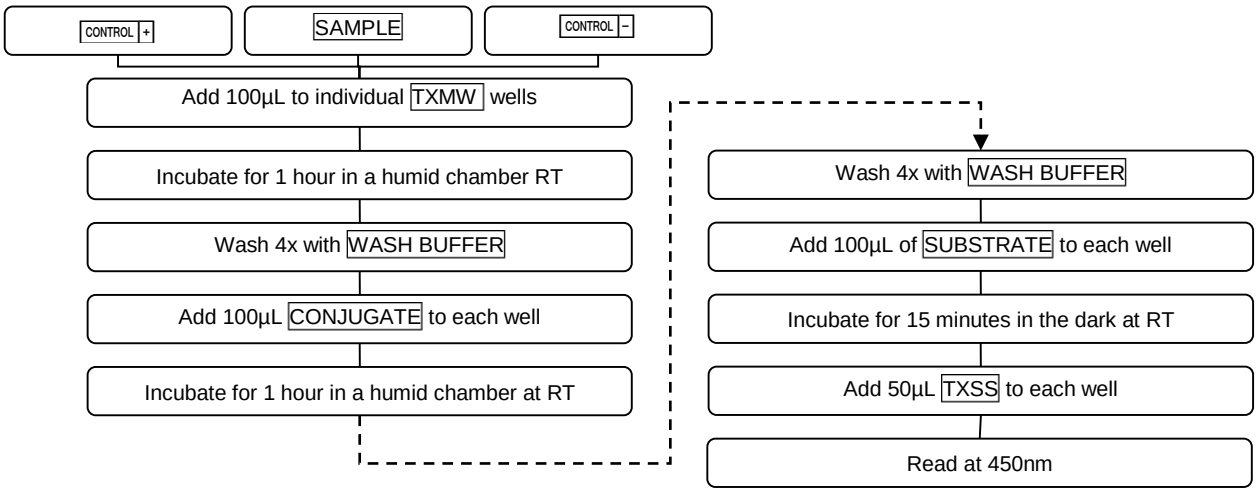
All components should be stored at 2-8^{O}C, and are supplied ready for use. Expiry dates are clearly marked on each kit component and on the box and do not change once opened.

MATERIALS REQUIRED BUT NOT PROVIDED

- Micropipettes and tips
- Clean glassware or plastic containers for solutions.
- Humid chamber
- ELISA washer
- Spectrophotometer to read absorbance at a single wavelength of 450nm

DIAGRAM FOR USE

Use Cellabs Instructions for Use Insert contained in kit when performing test, and refer to Material Safety Data Sheet (MSDS) for further information.



READING AND INTERPRETATION OF RESULTS AND DIAGNOSIS

Samples may be read visually or photometrically. Visually, samples giving the same or less colour than the negative control are considered negative. Samples giving colour greater than the negative control, similar to the positive control, are considered positive. Using a spectrophotometer, negative samples should give an optical density below a certain level and positive samples should give an optical density above a certain level. Please refer to the kit insert for detailed information.

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PERFORMANCE DATA FOR TOXOCARA IgG CELISA

Sensitivity/Specificity

B	n = 92 serum samples. Toxocara IgG CELISA versus another ELISA.	Sensitivity: 90% Specificity: 94%

Repeatability

3 Positive samples and a Negative sample were tested in replicates of 8, by two different operators. The coefficient of variation for repeatability ranged between 3.03% and 9.51%, with an average of 7.11% for Positive samples. The average coefficient of variation for repeatability for the Negative sample was 9.36%.

Reproducibility

3 Positive samples and a Negative sample were tested in replicates of 8, by two different operators. The coefficient of variation for reproducibility ranged between 6.71% and 8.12%, with an average of 7.24% for Positive samples, and a coefficient of variation of 9.49% for the Negative sample.

For Ordering Assistance:

See Your Local Distributor:

OR

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