

## Chlamydia trachomatis species-specific peptide-based enzyme-linked immunosorbent assay for the detection of specific IgG and IgA antibodies

- Chlamydia are obligate intracellular bacterial parasites of eukaryotic cells.
- C. trachomatis is considered as being the most commonly sexually transmitted disease.
- Approximately 75% of infected females and 25% of infected males are asymptomatic. Chronic infection may lead to severe consequences, including infertility due to tubal damage or reactive arthritis.

### Indications for indirect detection

- Screening of population at risk. Cost effective detection of asymptomatic carriers.
- When the infected site is not accessible (upper genital tract and other deep-seated sites).
- Assessment of treatment efficiency and follow up, in case of deep seated infection.
- Detection of C. trachomatis in sexual partners of unaffected individuals.

### Advantages of indirect detection of human IgG and IgA antibodies to chlamydia by peptide based ELISA assay

- Detection of species-specific antibodies without cross reaction of related antibodies.
- Allows complete diagnosis of acute, past and chronic infections.



# Savyon's SeroCT™ represents a new generation of tests

## Reliable

- Highly specific and sensitive.

## Convenient

- Can be read on any standard ELISA reader.
- Can be performed on automated sample processors.

## Easy to use

- Color coded reagents.
- Break apart plate.

## Complete

- Includes all reagents and controls.

### Overall agreement with MIF(%) as was determine by four different control groups\*

Group tested	No. of sera	Overall agreement with MIF (%)	
		IgG	IgA
Culture positive	43	87	91
Adnexitis	21	100	86
Tubal infertility	36	100	87
MIF CT positive	58	95	95

### Specificity of SeroCT™ kit as was determined by testing three different control groups\*

Group tested	No. of sera	Specificity of SeroCT™ %	
		IgG	IgA
C.pneumoniae positives	35	94	100
Pregnant healthy women	30	93	100
Children	30	97	100

The high specificity and sensitivity of the SeroCT™ for the specific detection of *C. trachomatis* antibodies makes the test, an accurate, efficient and cost effective screening tool for the diagnosis of *C. trachomatis* and its distinction from *C. pnemoniae* infections.

\*Ohana, B., Prankratova V., Groh, A., Straube, E., Brand, R., Bleicher, A. Mezamer-Tov, I., Horovitz., O and Lipson, M., (1996) SeroCT™ - A new peptide based ELISA test for specific detection of Chlamydia trachomatis antibodies. Infection Disease in Obstetrics and Gynecology 4:192.