

Chlamydia pneumoniae

EIA IgG, IgM, IgA

MIFA IgG/IgM, IgA

NEW !
Interchangeable



SUBS	TMB
SOLN	STOP
BUF	WASH 10X

NEW !
Strip identification

Species-specific assays for reliable *Chlamydia pneumoniae* diagnosis

- Easy-to-read standard method MIF
- Higher throughput with EIA
- EIA tests can be run in parallel with Ani Labsystems' Mycoplasma pneumoniae EIA and Bordetella pertussis EIA tests
- Washing solution, TMB-substrate and stop solution are interchangeable and can also be ordered separately (EIA)



Progressive EIAs and MIFAs for *Chlamydia pneumoniae* detection

Chlamydia pneumoniae (*Chlamydophila pneumoniae*), is a common cause of respiratory tract infections worldwide. Clinical manifestations of acute *C. pneumoniae* infections may range from asymptomatic to life-threatening. Clinical diseases include pneumonia, bronchitis, sinusitis, pharyngitis and otitis. About 10 % of pneumonias have been associated with *C. pneumoniae* infections. During epidemics, it may be the most important causative agent of pneumonia in young adults.

Features of *C. pneumoniae* infections, such as a slow onset, low number of infectious agents present and cross reactions in serology, make diagnosis difficult.

MIF – the established standard method

Microimmunofluorescence (MIF) has an established position as the golden standard method in *Chlamydia pneumoniae* serology. *C. pneumoniae* elementary bodies (EBs) are used as antigens in Ani Labsystems' MIF assays. *C. trachomatis* and *C. psittaci* antigens (EBs) are included in the test as controls.

In order to diminish the cross-reactions between different *Chlamydia* species the immunological activity of chlamydial LPS has been specially reduced. Ani Labsystems' MIF assays have been designed using optimal particle density, therefore customers find these tests easy to read and interpret.

EIA kits offer superiority

Ani Labsystems' species-specific *C. pneumoniae* EIA kits offer advantages over MIFA, including:

- Objective reading
- Larger throughput
- More reproducible results
- More accurate discrimination between past and re-infection

Paired serum samples collected during *C. pneumoniae* epidemics were analysed for the seroconversion. The rate of seroconversion detected by Ani Labsystems EIA methods (IgG/IgA rise and/or positive IgM) was compared to the respective rates by two competitors' EIAs (1 and 2) and an in-house MIFA method.

Out of the 106 cases that were interpreted as acute infection by at least 2 methods, competitor 1 misinterpreted 14 cases, competitor 2 misinterpreted 9 cases, whereas Ani Labsystems' EIAs only 4 cases (Persson et al. Clin Diagn Lab. Immunol. 2000; 7:739).

Associated chronic diseases

In addition to acute infections, *C. pneumoniae* has also been associated with chronic diseases. The most important finding is the suggested association of chronic *C. pneumoniae* infections with cardiovascular diseases.

Convenient procedure and ready-for-use reagents

The IgG and IgA EIA kits include calibrators to produce semi-quantitative results.

In addition, the EIA tests can be run in parallel with Ani Labsystems' EIA tests for *Mycoplasma pneumoniae* and *Bordetella pertussis* using the similar microplate format, procedure and same sample predilution

New !

The washing solution, TMB-substrate and stopping solution are interchangeable between different lots and also between Ani Labsystems' respiratory products (*C. pneumoniae*, *M. pneumoniae*, *B. pertussis* antibody kits) and *C. trachomatis* antibody kits (see the product list)

New !

The abbreviation of each test is printed on single strips for identification.

Procedures

Chlamydia pneumoniae IgG, IgA and IgM EIA

Dilute the specimen into the sample diluent
5 µl+500 µl (1:101)

For IgG & IgA: use 10 µl of the prediluted sample plus 100 µl of the sample diluent

For IgM: use 100 µl IgG removing reagent and add 10 µl of the prediluted sample

For all three assays:

- Incubate for 1 hour at 37 °C
- Wash
- Add 100 µl conjugate
- Incubate for 1 hour 37 °C
- Wash
- Add 100 µl substrate
- Incubate for 30 minutes at RT in dark
- Add 100 µl stopping solution
- Read at 450 nm

Ordering Information

6111300	C. pneumoniae IgG EIA	96 wells	€0537
6111310	C. pneumoniae IgA EIA	96 wells	€0537
6111320	C. pneumoniae IgM EIA	96 wells	€0537
6108380	C. pneumoniae IgG/IgM MIFA	20x21 wells	€0537
6108382	C. pneumoniae IgG/IgM MIFA	20x12 wells	€0537
6108390	C. pneumoniae IgA MIFA	20x21 wells	€0537
6108392	C. pneumoniae IgA MIFA	20x12 wells	€0537
6108384	C. pneumoniae slides	5x21 wells	€0537
6111400	M. pneumoniae IgG EIA	96 wells	€€
6111410	M. pneumoniae IgA EIA	96 wells	€€
6111420	M. pneumoniae IgM EIA	96 wells	€€
6111500	B. pertussis IgG EIA	96 wells	€€
6111510	B. pertussis IgA EIA	96 wells	€€
6111520	B. pertussis IgM EIA	96 wells	€€
6111045	Washing solution, 10x	100 ml	
6111055	TMB-Substrate Solution	18 ml	
6111060	Stopping Solution, 0,45 H2SO4	25 ml	