



Celllabs Product Profile

CHLAMYDIA CEL LPS

INTENDED USE AND PRINCIPLE OF THE TEST

The Chlamydia Cel LPS IF Test is a rapid *in vitro* direct immunofluorescence test for the detection and diagnosis of *Chlamydia* organisms in patient specimens. The fluorescein-labelled mouse monoclonal antibody reagent binds specifically to *Chlamydia* group lipopolysaccharide (LPS) in the specimen.

CONTENTS OF THE KIT

The Chlamydia Cel LPS range is available in a number of formats, including: 10 Test Demo (KC2 Demo), 50 Test (KC2), 200 Test Bulk, Positive Control Slide only, and Mounting Fluid only. Note that the Chlamydia Cel LPS Reagent has been optimised for use with Celllabs *Chlamydia* LPS Positive Control Slide and Mounting Fluid.

	KC2 Demo	KC2 Standard	Bulk
<input type="checkbox"/> RC2 Chlamydia Cel LPS Reagent	0.25mL	1.25mL	5mL
<input type="checkbox"/> V Positive Control Slide (Single Use only)	1	1	-
<input type="checkbox"/> RMF Mounting Fluid	2.5mL	2.5mL	-
<i>Tests</i>	<i>10</i>	<i>50</i>	<i>200</i>

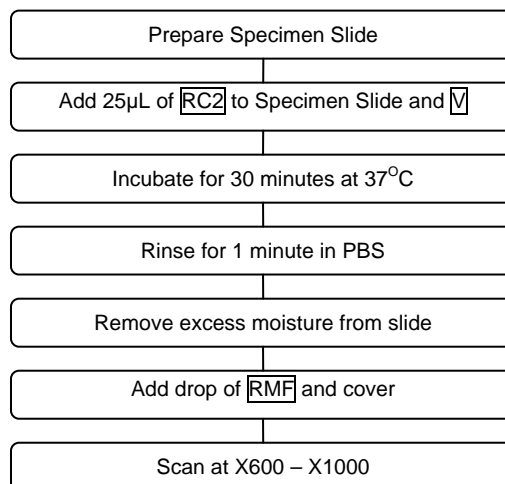
All components should be stored at 2-8°C, and are supplied ready for use. Expiry dates are clearly marked on each kit component and on the box and do not change once opened.

MATERIALS REQUIRED BUT NOT PROVIDED

- Microscope slides with 6-8mm diameter wells
- Methanol or acetone for specimen fixation
- Precision pipette for delivering 25µL
- Humid chamber
- Wash bath
- Phosphate buffered saline (PBS) for washing step
- Cover slips
- Non-fluorescing immersion oil
- Fluorescence microscope with filter system for FITC (maximum excitation wavelength 490nm, mean emission wavelength 530nm) and x600-x1000 magnification

DIAGRAM FOR USE

Use Celllabs 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

Chlamydial organisms fluoresce bright apple green (with typical morphology) against a background of reddish/brown counterstained material. Results should be compared with the Positive Control Slide.



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PERFORMANCE DATA FOR CHLAMYDIA CEL LPS

Sensitivity/Specificity

A	n = 43 koala specimens (16 male, 27 female). Chlamydia Cel LPS versus culture.	Sensitivity: 89% Specificity: 94%
B	Chlamydia LPS versus culture - Conjunctival specimens - Urogenital Specimens	Sensitivity: 88% Specificity: 100% Sensitivity: 90% Specificity: 84%

Repeatability & Reproducibility

5 identical antigen samples were tested by 3 different operators and there was 100% correlation in the results.

Cross reactivity

The Chlamydia Cel LPS does not cross react with:

Staphylococcus epidermidis

Staphylococcus aureus

Beta haemolytic Streptococcus group B

Beta haemolytic Streptococcus group A

Lactobacillus acidophilus

Peptostreptococcus anaerobius

Proteus mirabilis

Streptococcus faecalis

Streptococcus pneumoniae

Haemophilus influenzae

Haemophilus parainfluenzae

Escherichia coli

Klebsiella pneumoniae

Proteus mirabilis

Pseudomonas aeruginosa

Bacteriodes fragilis

Viridans Streptococcus

Candida albicans

Bacteriodes melaninogenicus

Actinomyces israelii

Gardnerella vaginalis

Neisseria gonorrhoeae

Trichomonas vaginalis

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