



Cellabs Product Profile

CRYPTO CEL

INTENDED USE AND PRINCIPLE OF THE TEST

The Crypto Cel IF Test is an in vitro direct immunofluorescence test for the detection of *Cryptosporidium* in faecal and environmental specimens. The fluorescein-labelled mouse monoclonal antibody reagent binds specifically to *Cryptosporidium* in the specimen. *Cryptosporidium* display bright green fluorescence with typical morphology.

CONTENTS OF THE KIT

The Crypto Cel range is available in a number of formats, including: 10 Test Demo (KR1 Demo), 50 Test (KR1), 200 Test Bulk (with or without Evans Blue), Positive Control Slide only, and Mounting Fluid only. Note that the Crypto Cel Reagent has been optimised for use with Cellabs *Cryptosporidium* Positive Control Slide and Mounting Fluid.

		KR1 Demo	KR1 Standard	Bulk
RR1	Crypto Cel Reagent	0.25mL	1.25mL	5mL
CR	Positive Control Slide (Single Use only)	1	1	-
RMG	Mounting Fluid	2.5mL	2.5mL	-
	<i>Tests</i>	<i>10</i>	<i>50</i>	<i>200</i>

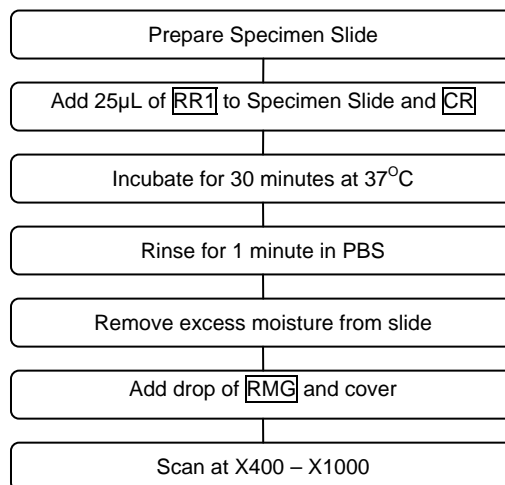
All components should be stored at 2-8°C, and are supplied ready for use. Expiry dates are clearly marked on each kit component and on the box and do not change once opened.

MATERIALS REQUIRED BUT NOT PROVIDED

- Microscope slides with 6-8mm diameter wells
- Methanol 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 x400-x1000 magnification

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.





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READING AND INTERPRETATION OF RESULTS AND DIAGNOSIS

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

PERFORMANCE DATA FOR CRYPTO CEL

Sensitivity/Specificity

A	n = 210 faecal specimens. Crypto Cel versus another commercial Crypto IFA.	Sensitivity: 100% Specificity: 100%
B	Crypto Cel versus other detection methods. The Crypto Cel detected the greatest number of oocysts per sample. In comparison with the Crypto Cel the other methods were:	Giemsa: 12.2% sensitive Modified Ziehl Neelsen: 29.7% sensitive Phenol-auramine: 61.5% sensitive

Repeatability & Reproducibility

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

Cross reactivity

The Crypto Cel does not cross react with:

Eimeria tenella
Toxoplasma gondii
Giardia lamblia
Trichomonas hominis
Iospora belli
Microsporidium sp.
Pneumocystis carinii
Candida sp.
Aspergillus sp.
Listeria sp.

Legionella sp.
Erysipelothix sp.
Escherichia sp.
Lactobacillus sp.
Streptococcus sp.
Staphylococcus sp.
Bacillus sp.
Clostridium sp.
Brochothrix sp.
Corynebacterium sp.

For Ordering Assistance:

See Your Local Distributor:

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