

Cellabs Product Profile

CRYPTO/GIARDIA CEL

INTENDED USE AND PRINCIPLE OF THE TEST

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

CONTENTS OF THE KIT

The Crypto/Giardia Cel range is available in the 50 Test (KR2) kit format, and separately in the 200 Test Reagent (with or without Evans Blue), Positive Control Slide, and Mounting Fluid. Note that the Crypto/Giardia Cel Reagent has been optimised for use with Cellabs *Cryptosporidium/Giardia* Positive Control Slide and Mounting Fluid.

		KR2	Bulk
	Crypto/Giardia Cel Reagent	1.25mL	5mL
	Positive Control Slide (Single Use only)	1	-
	Mounting Fluid	2.5mL	-
	<i>Tests</i>	<i>50</i>	<i>200</i>

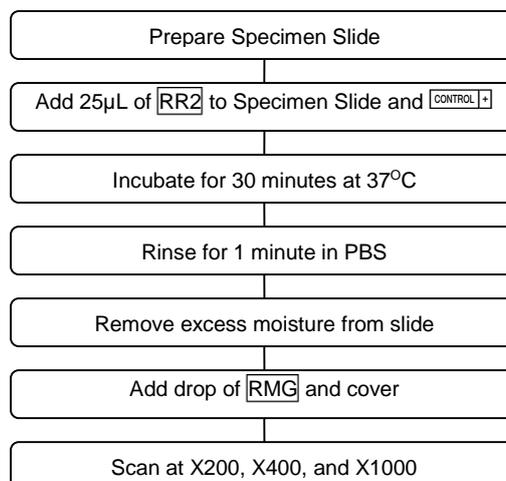
All components should be stored at 2-8°C, and are supplied ready for use. Expiry dates are clearly marked on each kit component and on the box and do not change once opened.

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 x200-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 and *Giardia* cysts 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/GIARDIA CEL

Sensitivity/Specificity

A	n = 210 faecal specimens. Crypto/Giardia Cel versus another commercial Crypto/Giardia IFA.	Sensitivity: 100% Specificity: 100%
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Repeatability & Reproducibility

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

Cross reactivity

The Crypto/Giardia Cel does not cross react with:

Strongyloides stercoralis larva
Enterobius vermicularis ova
Opisthorchis viverrini ova
Hook Worm ova
Trichuris trichiura ova
Hymenolepis nana ova
Blastocystis hominis cysts
Entamoeba coli cysts
Endolimax nana cysts
Entamoeba hartmanni cysts
Eimeria tenella
Toxoplasma gondii
Trichomonas hominis
Iospora belli
Microsporidium sp.

Pneumocystis carinii
Candida sp.
Aspergillus sp.
Listeria sp.
Legionella sp.
Erysipelothrix sp.
Escherichia sp.
Lactobacillus sp.
Streptococcus sp.
Staphylococcus sp.
Bacillus sp.
Clostridium sp.
Brochothrix sp.
Corynebacterium sp.

For Ordering Assistance:

See Your Local Distributor:

OR

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