



Cellabs Product Profile

GIARDIA CEL

INTENDED USE AND PRINCIPLE OF THE TEST

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

CONTENTS OF THE KIT

The Giardia Cel range is available in a number of formats, including: 10 Test Demo (KG1 Demo), 50 Test (KG1), 200 Test Bulk (with or without Evans Blue), Positive Control Slide only, and Mounting Fluid only. Note that the Giardia Cel Reagent has been optimised for use with Cellabs *Giardia* Positive Control Slide and Mounting Fluid.

		KG1 Demo	KG1 Standard	Bulk
RG1	Giardia Cel Reagent	0.25mL	1.25mL	5mL
G	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>

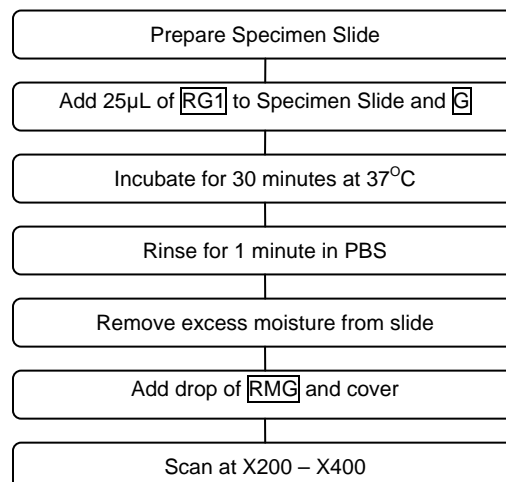
All components should be stored at 2-8°C, and are supplied ready for use. Expiry dates are clearly marked on each kit component and on the box and do not change once opened.

MATERIALS REQUIRED BUT NOT PROVIDED

- Microscope slides with 6-8mm diameter wells
- 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 x200-x400 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

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 GIARDIA CEL

Sensitivity/Specificity

A	n = 17 faecal specimens. Giardia Cel versus iodine wet mount.	Sensitivity: 100% Specificity: 100%
B	n = 59 faecal specimens. Giardia Cel versus iodine wet mount.	Sensitivity: 94% Specificity: 100%
C	n = 191 faecal specimens. Giardia Cel versus iodine wet mount.	Sensitivity: 100% Specificity: 100%
D	n = 120 faecal specimens. Giardia Cel versus iodine wet mount.	Sensitivity: 100% Specificity: 100%
E	n = 591 faecal specimens. Giardia Cel versus iodine wet mount.	Sensitivity: 90.3% Specificity: 100%

Repeatability & Reproducibility

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

Cross reactivity

The Giardia Cel does not cross react with:

Strongyloides stercoralis larva
Enterobius vermicularis ova
Opisthorchis viverrini ova
Hook Worm ova
Trichuris trichuria ova
Hymenolepis nana ova

Blastocystis hominis cysts
Entamoeba coli cysts
Endolimax nana cysts
Entamoeba hartmanni cysts
Trichomonas hominis cysts

For Ordering Assistance:

See Your Local Distributor:

OR

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