



Upload image

Jul 17, 2020

Zielh neelsen for coccidia Agudelo y Montoya, 2004

Javier Antonio Benavides¹¹Universidad Nacional de Colombia

1

Works for me

dx.doi.org/10.17504/protocols.io.biqmkdu6Javier Antonio Benavides
Universidad Nacional de Colombia

DOI

dx.doi.org/10.17504/protocols.io.biqmkdu6

PROTOCOL CITATION

Javier Antonio Benavides 2020. Zielh neelsen for coccidia Agudelo y Montoya, 2004. **protocols.io**
dx.doi.org/10.17504/protocols.io.biqmkdu6



LICENSE

————— This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

CREATED

Jul 17, 2020

LAST MODIFIED

Jul 17, 2020

PROTOCOL INTEGER ID

39405

MATERIALS

NAME	CATALOG #	VENDOR
Sulfuric acid	A300C-212	Fisher Scientific
Fuchsin acid	FB0469.SIZE.100g	Bio Basic Inc.
Malachite green oxalate	MD0330.SIZE.250g	Bio Basic Inc.
Ethanol	100983	Merck Millipore
RA Lamb Dry Chemical Stains, Carbol Fuchsin (Kinyoun)	LAMB-030-C	Thermo Fisher
Fast Blue Substrate (40 mL Blue Buffer + 840 uL each Blue Reagents 1-3)	QVT0507	Thermo Fisher

DISCLAIMER:

DISCLAIMER – FOR INFORMATIONAL PURPOSES ONLY; USE AT YOUR OWN RISK

The protocol content here is for informational purposes only and does not constitute legal, medical, clinical, or safety advice, or otherwise; content added to protocols.io is not peer reviewed and may not have undergone a formal approval of any kind. Information presented in this protocol should not substitute for independent professional judgment, advice, diagnosis, or treatment. Any action you take or refrain from taking using or relying upon the information presented here is strictly at your own risk. You agree that neither the Company nor any of the authors, contributors, administrators, or anyone else associated with protocols.io, can be held responsible for your use of the information contained in or linked to this protocol or any of our Sites/Apps and Services.

- 1 Place a drop of 0.85% saline on a new, fat-free, dry slide.
- 2 Thoroughly homogenize the stool sample to be examined with a wooden toothpick
- 3 Place the wooden toothpick impregnated with the stool sample in the drop of saline solution that was put on the slide and homogenize in such a way that it has a spread of approximately 2 cm long by 2 cm wide
- 4 Allow drying at room temperature
- 5 Fix the plate by immersing it in absolute methanol for 5 minutes
- 6 Let the environment dry
- 7 Cover the plate with carbol-fuchsine for 20 minutes

7.1 Basic fuchsine: Fuchsine 10g diluted in Ethanol 100ml
 Phenol solution 5% (phenol 5ml add 95ml of water)
 From mother solution (Basic fuchsine filtered 10ml add 100 ml of phenol solution)

- 8 Remove excess colorant with tap water
- 9 Discolor with 7% H₂SO₄ until the plate is pale pink

9.1 Prepare sulphuric acid solution 7% (H₂SO₄)
 Sulphuric acid 7ml plus Ethanol 93ml

- 10 Remove excess colorant with tap water
- 11 Add methylene blue or malachite green throughout the spread for 3 minutes

3m

11.1 Methylene blue 10g diluted in Ethanol 95% 100ml
From the mother solution filter 30ml and add 70ml water

11.2 Malachite Green solution (Malachite green 5g diluted in Ethanol 10% 100ml)

12 Remove excess colorant with tap water

13 Let the environment dry

14 Visualize the plate with immersion oil with the objective of 100x