

The image is a composite graphic with three horizontal sections. The top section shows a petri dish with pink agar and bacterial streaks, with a blue-gloved hand on the left. The middle section is a 3D illustration of various microorganisms, including blue spheres and orange clusters, with a bright light source on the right. The bottom section shows a petri dish with white agar and circular bacterial colonies, with a white-gloved hand on the right.

Microbiology

Archive

Lab

Final Exam Lab
"Shagaf"

Done by :
عبادة الخوالدة

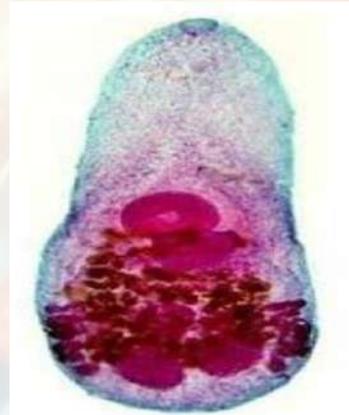
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1. The intermediate host for which parasite?
- A. *Clonorchis sinensis*.
 - B. *Fasciola hepatica*.
 - C. *Heterophyes heterophyes*.
 - D. *Schistosoma mansoni*.
 - E. *Fasciolopsis buski*.



Answer: E. *Fasciolopsis buski*.

2. The parasite shown in the picture is:
- A. *Clonorchis sinensis*
 - B. *Fasciola hepatica*
 - C. *Heterophyes heterophyes*
 - D. *Paragonimus westermani*



Answer: C. *Heterophyes heterophyes*

3. The egg shown in the picture represents:
- A. *Ascaris lumbricoides*
 - B. *Enterobius vermicularis*
 - C. *Trichuris trichiura*
 - D. Hookworm



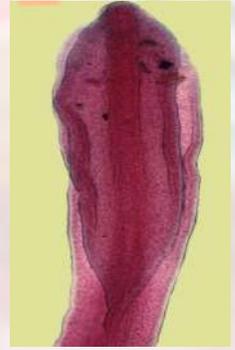
Answer: B. *Enterobius vermicularis*

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4. The organism shown in the picture represents:

- A. *Taenia saginata*
- B. *Taenia solium*
- C. *Diphyllobothrium*
- D. *Echinococcus granulosus*

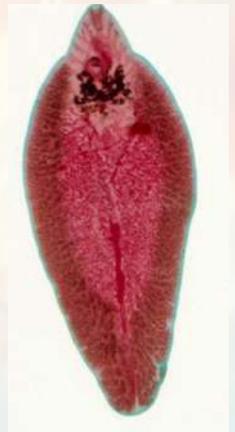
Answer: C. *Diphyllobothrium*



5. The organism shown in the picture represents:

- A. *Clonorchis sinensis*
- B. *Fasciola hepatica*
- C. *Paragonimus westermani*
- D. *Schistosoma mansoni*

Answer: B. *Fasciola hepatica*



6. The organism shown in the picture represents:

- A. Female *Capillaria philippinensis*
- B. Male *Capillaria philippinensis*
- C. Female *Enterobius vermicularis*
- D. Male *Enterobius vermicularis*

Answer: D. Male *Enterobius vermicularis*



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7. The structure shown in the picture represents:

- A. *Taenia solium* scolex
- B. *Taenia saginata* scolex
- C. *Echinococcus granulosus* cyst
- D. *Diphyllobothrium latum* scolex



Answer: B. *Taenia saginata* scolex

8. The structure shown in the picture represents which of parasite?

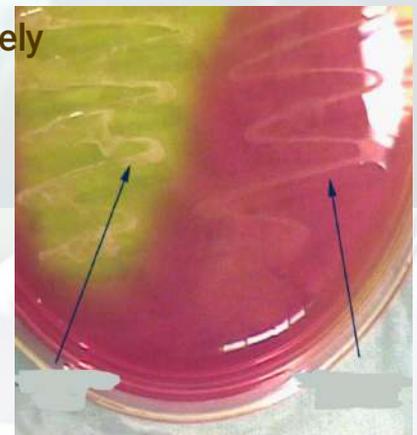
- A. *Taenia solium* egg.
- B. *Taenia saginata* egg.
- C. *Echinococcus granulosus* larva.
- D. *Diphyllobothrium latum* larva.



Answer: B. *Taenia saginata* egg.

9. On the Mannitol Salt Agar plate, The yellow colonies most likely represent:

- A. *Staphylococcus epidermidis*
- B. *Staphylococcus aureus*
- C. *Streptococcus pyogenes*
- D. *Enterococcus faecalis*



Answer: B. *Staphylococcus aureus*

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10. The microorganism shown in the picture is:

- A. *Mycobacterium leprae*
- B. *Mycobacterium tuberculosis*
- C. *Nocardia asteroides*
- D. *Corynebacterium diphtheriae*

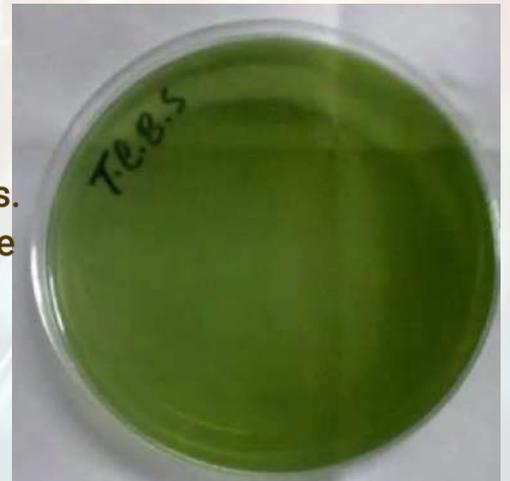
Answer: B. *Mycobacterium tuberculosis*



11. Which of the following statements about TCBS agar is NOT true?

- A. It is selective for *Vibrio* species
- B. It differentiates lactose fermenters from non-fermenters.
- C. *Vibrio cholerae* produces yellow colonies due to sucrose fermentation
- D. The medium uses bromothymol blue as a pH indicator

Answer: B. It differentiates lactose fermenters from non-fermenters



12. The organism shown in the picture represents:

- A. Female *Capillaria philippinensis*
- B. Male *Capillaria philippinensis*
- C. Female *Enterobius vermicularis*
- D. Male *Enterobius vermicularis*

Answer: A. Female *Capillaria philippinensis*

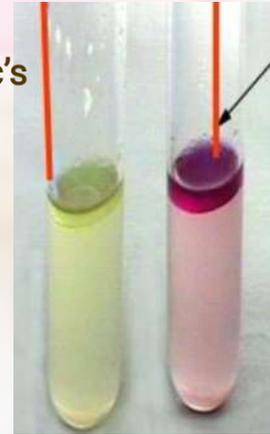


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13. The tube shown in the picture turns purple after adding Kovac's reagent. Which organism most likely produced this result?

- A. Enterobacter cloacae
- B. Klebsiella pneumoniae
- C. Escherichia coli
- D. Proteus mirabilis

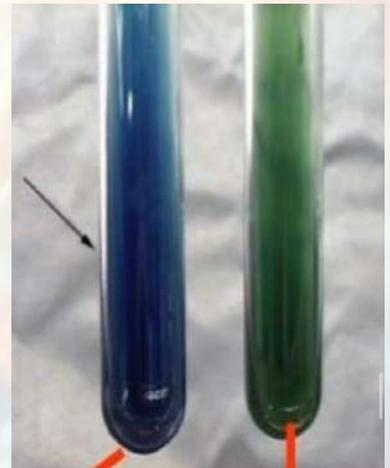
Answer: C. Escherichia coli



14. What is this test?

- A. Citrate utilization test.
- B. Indole test.
- C. Urease test.
- D. Sugar fermentation test.

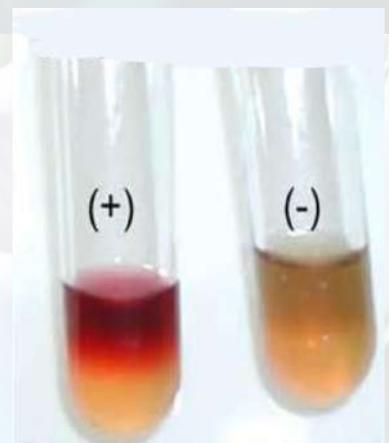
Answer: A. Citrate utilization test.



15. In this test, All of the following are correct ,except ?

- A. Methyl red is red in pH under 4.4 .
- B. E coil negative VP.
- C. Klebsiella negative MR.
- D. Barrett's reagent A is alpha naphthol.
- E. Barrett's B reagent 70% KOH.

Answer: E. Barrett's B reagent 70% KOH.



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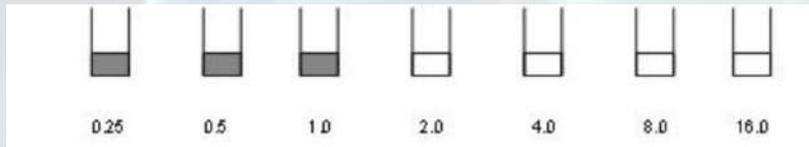
16. The minimal inhibitory concentration (MIC) is:

- A. 0.75 $\mu\text{g/mL}$
- B. 1 $\mu\text{g/mL}$
- C. 1.5 $\mu\text{g/mL}$
- D. 15 $\mu\text{g/mL}$

Answer: C) 1.5 $\mu\text{g/mL}$



17. The minimal inhibitory concentration (MIC) is, in the pictures below:

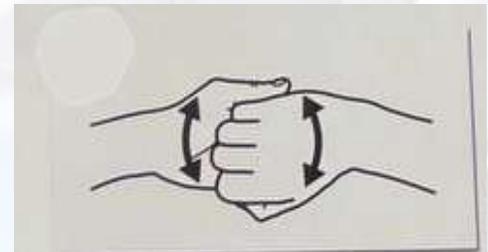


- A. 0.25 $\mu\text{g/mL}$
- B. 1 $\mu\text{g/mL}$
- C. 2 $\mu\text{g/mL}$
- D. 4 $\mu\text{g/mL}$
- E. 16 $\mu\text{g/mL}$

Answer: C. 2 $\mu\text{g/mL}$

18. The picture shows one of the steps in proper handwashing. Which step number does this image represent?

- A. Step 1
- B. Step 3
- C. Step 5
- D. Step 7



Answer: C. Step 5

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19. A patient presents with a urinary tract infection (UTI). A cell culture is performed using MacConkey agar, and the result shows no lactose fermentation and the bacteria is oxidase positive. What is the most likely organism causing the infection?

- A. Escherichia coli
- B. Klebsiella pneumoniae
- C. Pseudomonas aeruginosa
- D. Enterococcus faecalis

Answer: C. Pseudomonas aeruginosa

20. Ph indicator of TCBS test is ?

- A. Methyl Red.
- B. Bromothymol Blue.

Answer: B. Bromothymol Blue.

21. Slective agent of TCBS is ?

- A. pH =8.6.
- B. pH=7.6.

Answer: A. pH =8.6.

22. In the Gram staining procedure, which dye is used as the counterstain to color Gram - negative bacteria?

- A. Crystal violet
- B. Iodine
- C. Safranin
- D. Methylene blue

Answer: C. Safranin

أسئلة مواضيع الباراسايت هي كلها للدكتورة دينا "غادرت الكلية"

لا تنسونا من الدعاء, بالتوفيق 🌸 🌸

