

Collective Instructions for practical exam

Principle of microbiology 5+2 //2019

ابنائنا الاعزاء نحن نقدم لكم تعليمات مجمعه لنماذج اسئله امتحان العملى

1-Non cultured media

Identify

سؤال ثابت

With 2 of the followings

Uses

Name of indicator in media **not composition**

Type

Sterilization

2-Cultured media

Identify media

سؤال ثابت

Identify the growth

سؤال ثابت

With one of the followings

Mention two biochemical reaction for this organism

Colony is identified by----- (mention 2) (Answer-Colony morphology &stained smear & BR&AGGLUTINATION WITH SPECIFIC ANTISERUM)

Sterilization of this media

3-Slide

Identify

سؤال ثابت

Media used to cultivate this organism

MENTION one Biochemical reaction for this organism

Golden standard test for diagnosis

Rapid method for diagnosis

How can you detect pathogenicity of this organism? In some organisms like diphtheria

4-PCR (PICTURE)

IDENTIFY

INTERPRET THE RESULT OF LANE ---

Define ex probe& primer

Steps of PCR Cycle(Mention 2)

Name of Enzyme used (Thermostable taq polymerase)

5-Sterilization

Level of disinfection

Temperature and timing of autoclave

Temperature and timing of hot air oven

How can you sterile glass wares

How can you sterile plastic syringe

Give an example of HLDs

Air disinfection physical sterilization includes: heat & radiation or filtration (mention 2)

Uses of seitz filter

6-Antibiotic sensitivity

Identify-----Disc diffusion or Tube dilution or E-Test

Read MIC

Interpret Result of penicillin & gentamycin

IN E test describe the shape of zone

Mention another one method to test antibiotic sensitivity

7- Miscellaneous:

ELEK Test

مطلوب

NAME OF TEST

Principle

Uses

Nagler reaction

Name of test

Uses

Name of media used in this test

Principle

Stormy clot reaction

Name of test

Principle

Uses

Tissue culture

Identify

Interpret

Describe what you see

Blood culture

Identify

Mention its type

Two Examples for diseases diagnosed by this technique

One Precaution for this technique

Anaerobic gas pak jar

Identify

Uses

Name of indicator

8- Clinical problem

Case study

1-Disease

2-Possible microorganism سؤال ثابت

3-Rapid test for its diagnosis

4-sereological test ex widal in salmonella or ASOT& CRP in strept pyogens

5-Other bacteria can cause the same case

6-Biochemical reaction for this organism not in front of you

7- في بعض الproblem ممكن اسال why we do culture زى اللى موجود فى شابتير الgonorrhea

Best Wishes

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مع تحياتى ا.م حنان سمير وتمنياتى بالتوفيق

