

MICRO 2012 @ lejan 2010

Lejan2010 2010 الجان الدفات Lejan2010 Lejan2010 2010 الجان الدفات Lejan2010 2010 الجان الدفات

* In association with the fungi cell which is true:

Fungi

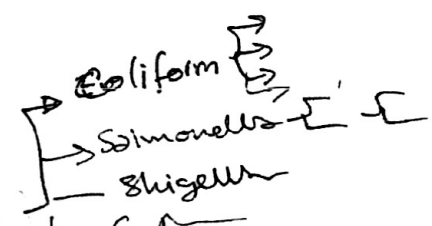
- a. glucan
 - b.
 - c. ergosterol
 - d. a+b
 - e. all
- i think it's e

* In association with the fungi cell which is true:

Fungi

- a. glucan
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• which is not gram - enteric bacilli?



* all of the following is associated with protozoa except:
 single morphology

* hepatitis viruses by 5 talfo fee kol she ma 3da el host wel tissue tropism

• which is gram - diplo cocci?

• the capsule of group A strep. is composed of:
 hyalurinic acid

Streptococci (+ve), Enterococci (+ve)

Nessiens
 Agnais
 meningitis

- c) Cholera ✓
- d) all of the above
- e) B+c
- all of the following cause infections for both humans and animals except: cholera

• - associated with abdominal pain and bloody diarrhea:

- a) Shigella
- b) C.jejuni
- c)
- d) a+b

Clostridium Perfringens.

2. ✱ Enterotoxigenic Ecoli is associated with all of the following except:

- a) heat labile-toxins
- b) Heat-stable toxins
- c) Traveler's Diarrhea
- d) a + b

✶ a+b+c

✶ • which of the following structures is peculiar to enveloped RNA virions ?

- matrix protein
- nucleoproteins
- core protein

✶ • which of the following is true about orthomyxovirus :-

- a) they have numerous glycoproteins spikes on their envelope

e) they are susceptible to antiviral drugs

I don't remember the other choices but regarding to MRC the right answer is e

- ✓ a question about the best sterilization method for plastic disposals ware or sth like this , the answer is " gamma rays "
- ✗ kan fi so2aal zai genome of which of these viruses is not infectious
- ✗ concerning Type 1 IFNs which statment is corret
 - a) have a direct antiviral activity
 - b) virus encoded
 - c) sth related to translational level
 - d) bind to different receptors
- ✗ All the following concerning adeno viruses are true except
 - a. penton base and fiber are cytotoxic
 - b. hexons are target for neutralizing antibodies
 - c. hexons carry type/group (msh metzakreh) specific determinants
- ✗ All of the following concerning attachment of the virus to the host cell is true except:
 - a. involves non-specific binding
 - b. triggers uncoating
 - c. is followed by penetration
- ✗ in viremia related question...i didn't remeber even if it was a question or choice...something like...2nno it is related ll virus - alli directly introduced bel blood stream...
- ✗ what's wrong regarding viral pathogenesis , I think the answer was that viremia reaches blood if the virus was directly introduced to the blood only , aw hek eshi
 - R-plasmid :Ino fyo DNA o RNA hay '3alat
 - regarding Amoxicillin , all of the following is true except :
 - 1) attach to penicillin binding protein ✓
 - 2) targets both gm+ & gm- bacteria .. *medensh brozel*
 - 3) have a broad spectrm
 - ④ resistant to penicillinase
susipible
- ✗ the virus that has all enzymes and proteins necessary for

replication is

CMV

- the enteric bacteria develop resistance

- a) conjugation *-ve ✓*
- b) transformation *++ ✓*
- c) mutation
- d) a+B
- e) a+b+c

- a question about LPS

- techoic acid,
cell wall of gm+ bacteria

- What is the determinant of productive infection :

- a) permissiveness
- b) susceptibility
- c)
- d)
- e)

- regarding transformation,

- a) can transform bacteria into toxigenic
- b) to gain resistance
- c) mainly in gm+
- d) a and b

e) a, b and c

- what is the special about enveloped ma viruses:

- a) matrix
- b) NP
- c) core

....

the lysogenic phase is associated in
(prophage) → virus genome inserted into bacterial genome

IFN type 1

(coded in the cell)

- All the following viruses use cellular transcriptases except:

- a) CMV
- b. B19
- c. Human papilloma virus
- d. Vaccinia virus
- e. ..

- Regarding which of the viruses do not have a replicative intermediate

dsRNA (reovirus)

- pasteurization methods

- a) 63c for 30 mins
- B) 100c for 1-2 mins
- c) a+B

- Influenza viruse all of the following is true except ?

- a) Influanza A can cause both Pandamic & endimic
- b) Influanza b might cause Epdemic
- c) Influanza B & C are primarily Human pathogens
- d) surface glycoprotein of Influanza A exhibit much more amio acid varibility .
- e)

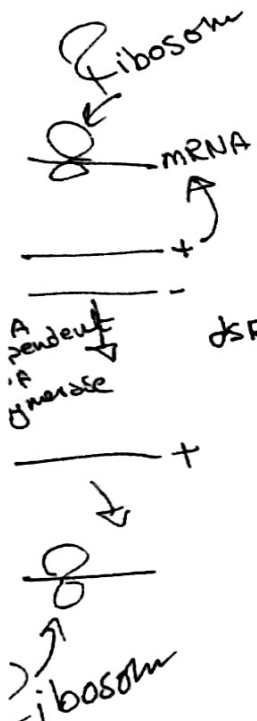
- The antimicrobial drug that is resistant to penicillinases:

- a. ampicillin
- b. carbenicillin
- c. methicillin
- d. ...

which of the following is a challenging property for Herpesviruses : stablishing latency & reactivation

- All of the following structures related to Gm- bacteria , except : lateral bodies,,, LPS / Porins / capsules

- which cannot be used as antiseptic- 1% phenol = disinfection



63 - 30 min
72 - 15 sec

10

• regarding spore forming bacteria , all of the following is true except :

- a) Resistant to lysozyme , heat , radiation
- b) dormant for hundreds of years ✓
- c) sterilized by boiling at 100 c , for 10 minutes
- d) include aerobic and anaerob bacilli ✓
- e)

• which of the following used to sterilize "disposable plastic devices ":

- a) UV light
- b) Dry heat
- c) Gamma rays
- d)
- e)

• all of the following are considered as primary cell cultures except :

- a) Human embryonic kidney
- b) primary monkey kidney
- c) Chick embryo
- d) Guinea pig embryo
- e)

• one of the following is related to "lysogenic" phage:

- a) Prophage
- b) ---
- c) ---
- d) ---

• bacteria that's catalase + & oxidase - ?

• Drug used for HCV?: ribavirin

• which of the following is related to staph.aereus :

- a) Vomiting
- b) conjunctivitis ✓

Catalase + → Staph aureus Epidermis

Staphylococci aureus Epidermis

to know
the answer

staphylococci

- c) diarrhea
- d) a & b
- e) all of the above

* • which one of these bacteria causes gas gangrene:
C. Perfringens

Final → *

All of the following are Gm- enteric bacteria except :
I think the answer was "Acinebacter "

- which of the following causes nonspecific urethritis:
 - a) Chlamydia Trachmatis
 - b) Brucella
 - c)
 - d) a and b

- Candida overgrowth might happen due to:
 - a) intensive use of antimicrobial drugs
 - b) immunocomprised conditions
 - c) radiation
 - d)
 - e) a+b+c

- B-hemolytic bacteria :
 - a) group "A" strepto
 - b) group "B" strepto
 - c) ---
 - d) a & b
 - e) all of the above

A-F without E

- May be used to diagnose parasitic disease?
 - a. Blood smear
 - b. Sputum
 - c. Serology
 - d. All (a), (b) and (c)
- about arbovirus except:
all are RNA viruses with -ve polarity

- treponema associated with all except enha grow in blood agar
- can't detected by gram -ve chlamydia
- primarily TB associated with all (children , lung anr other choice I can't remember it)
- all about measles except :
mostly associated with mild, subclinical disease
- which of the following can prevented by vaccine
NONE OF THE ABOVE Tetanus, Diaphtheria, Bordetella Pertussis
- all about herpes viruses except:
high degree of () homology -not sure-

Enteric
Final

- H.pylori is associated with all of the following except:
meningitis

- gram - ve diplococci
non of the above

- Neisseria
Moraxella

- Which of the following accounts for the corona virus genetic variation?
a. Mutation
b. recombination
c. mutation and discontinuous transcription due to polymerase jumping
d. gene segments rearrangement

- which is not of pencillin family? → β -lactam drug - Penicillin G - Ampicillin
- Penicillin V - Amoxicillin
- HCV**** anti viral

which of the following viruses doesn't replicate in the cytoplasm

?
Adeno dsDNA
Nucleus

RNA
HIV, influenza

- polio
-
-

• which of the following is associated with bloody diarrhea and abdominal cramps:

- shigella
- V.cholera
- C.jejuni
- both a and b
- all of the above

Clostridium
Perfringens
Perfringens

• Which of the following is associated with active TB?

- a. acid-fast bacteria
- b. purulent sputum
- c. reactivation of old infection
- d. a+b

• all of the above

• Which of the following can be transmitted from mother to newborn transplacentally?

- a. neisseria
- b. chlamydia
- c. hemophilus

• gas gangrene myonecrosis ?? perfringens

• which of the following is wrong about cestodes?

Rostellum may be absent ✓

• which of the following is wrong about trematodes?

ALL are hermaphrodites. Except Schistosomes

I guess this is wrong cuz not ALL are so, there's one exception

• which of the following do NOT need a pre-packaged RNA polymerase?

I guess it's vaccinia virus

suckers ONLY
suckers + Rostellum

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