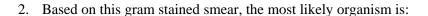
2012 Clinical Microbiology Laboratory Competency Assessment Instrument

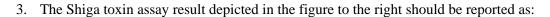
Na	me:		Date:					
Instructions:		ions:	Answer the questions in each of the sections in which you have been trained. Circle the most correct answer to each question.					
Sp	ecim	en Proc	cessing:					
1.	The	Sunque	est test code for a KOH preparation of fingernail clippings is:					
	a. b. c. d.	REI FUNS KOH COH	SKN					
2.	The	The correct Sunquest function code for crediting a test for any reason is:						
	a. b. c. d.	CR MDE REI CRW						
3.	A BBL TM CHROMagar MRSA II Agar plate should be inoculated whenever a request is received to screen for the presence methicillin-resistant <i>S. aureus</i> (MRSA) from a swab of the:							
	a. b. c. d.	Throa Rectu Nares Axilla	m.					
4.	A CIN Agar Plate should be inoculated whenever a request is received to screen a stool specimen for the presence of :							
	a. b. c. d.	Yersii Closti	li O157:H7 nia pestis. ridium difficile. nia enterocolitica.					
5.	A Foley Catheter tip should be rolled across the surface of a Blood Agar Plate and then place TSB Broth.							
	a. b.	True. False						

Bacteriology:

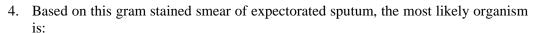
- The MRSA nasal screening culture result depicted in the figures to the right should be reported as:
 - a. Heavy Staphylococcus aureus (MRSA) isolated.
 - Few Staphylococcus aureus (MRSA) isolated. b.
 - No MRSA detected. c.
 - d. Heavy Staphylococcus epidermidis (MRSE) isolated.



- Propionibacterium species. a.
- Bacillus species. b.
- Crystalline elements (Gram stain artifact). c.
- Leptotrichia species. d.



- Shiga toxin Assay: Negative. a.
- Shiga toxin Stx1 Detected. b.
- Shiga toxin Stx1 and Stx2 Detected. c.
- Shiga toxin Stx2 Detected. d.

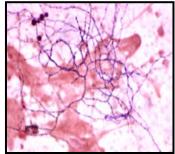


- Propionibacterium species. a.
- Nocardia species. b.
- Crystalline elements (Gram stain artifact). c.
- d. Lactobacillus species.
- 5. The figure to the right illustrates the typical urea reaction of:
 - Enterobacter intermedium. a.
 - Pseudomonas alcaligenes. b.
 - Raoultella (Klebsiella) ornithinolytica С.
 - Shigella species d.







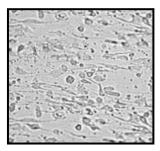




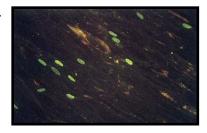


Virology:

- 1. When adding tissue culture maintenance media to cell cultures, the media should be:
 - a. At refrigerator temperature (2-8° C).
 - b. At ambient or incubator temperature (22 37° C).
 - c. At 45° C.
 - d. At -25° C.
- 2. One of the differential characteristics of the herpes family of viruses is growth rate. The typical growth rate for Herpes simplex virus (HSV) is:
 - a. 1-3 days.
 - b. 5 28 days.
 - c. 7-21 days.
 - d. 9 days.
- 3. The figure to the right illustrates the typical cytopathic effect on MRC-5 cells of:
 - a. Parainfluenza Type 2 virus.
 - b. Influenza A virus.
 - c. Herpes simplex virus.
 - d. Measles Virus.

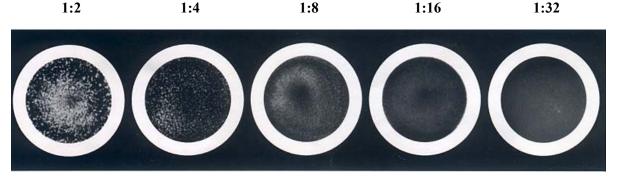


- 4. Cytotoxic chemicals that may be present in clinical specimens can be differentiated from viral agents by:
 - a. Observing a decrease in CPE with increasing dilution (i.e., serial passages).
 - b. Observing an increase in CPE with increasing dilution (i.e., serial passages).
 - c. Observing a decrease in CPE with filtration.
 - d. Observing a decrease in CPE after exposure to a low pH (pH \leq 3.0)
- 5. The figure to the right illustrates a typical CMV FA reaction on MRC-5 cells. The test should be interpreted as:
 - a. Positive for Cytomegalovirus.
 - b. Negative for Cytomegalovirus.



C. difficile and Non-Donor Serology:

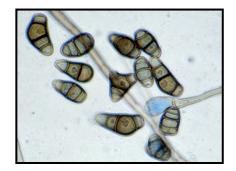
- 1. The IFA assay used for the detection of IgG antibody to Varicella-zoster virus may be performed on:
 - a. Serum only.
 - b. Serum and EDTA plasma.
 - c. EDTA plasma only.
 - d. Citrated plasma only.
- 2. When performing a cryptococcal antigen test on CSF, it is recommended that the specimen be heated in a boiling water bath for 5 minutes. This step minimizes:
 - a. Interference from rheumatoid factor.
 - b. Interference from electromagnetic sources.
 - c. Interference from background beta emissions.
 - d. Non-specific interference.
- 3. A cryptococcal antigen test should be reported as "Positive with Nonspecific Interference" whenever:
 - a. The titer with Detection Latex is ≥ 4 times the titer with Control Latex.
 - b. The titer with Detection Latex is ≤ 4 times the titer with Control Latex.
 - c. The titer with Control Latex is ≥ 4 times the titer with Detection Latex.
 - d. The titer with Control Latex is ≤ 4 times the titer with Detection Latex.
- 4. On occasion a non-specific "film" reaction is encountered while performing HSV or VZV IFA antibody assays. This "filming" reactions is caused by:
 - a. Excess protein in the test sample.
 - b. Excess hemoglobin in the test sample.
 - c. Excess anticoagulant in the test sample.
 - d. Excess lipid in the test sample.
- 5. The cryptococcal antigen titer reactions depicted below would be reported as:



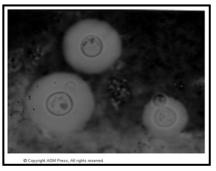
- a. Negative.
- b. Positive (Reactive), 1:2.
- c. Positive (Reactive), 1:8.
- d. Positive (Reactive), 1:32.

Mycology/Mycobacteriology/Parasitology:

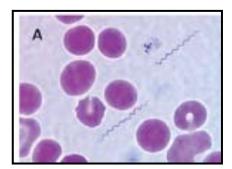
- 1. The figure at the right illustrates the typical wet mount morphology of:
 - a. Curvularia species
 - b. Stachybotrys species.
 - c. Bipolaris species.
 - d. Exserohilum species.



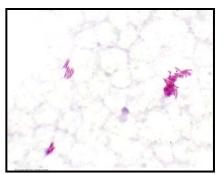
- 2. The figure at the right illustrates the typical India ink morphology of:
 - a. Candida tropicalis.
 - b. Cryptococcus neoformans.
 - c. Aspergillus species.
 - d. Malassezia species.



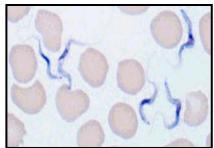
- 3. The figure at the right illustrates the typical Giemsa smear morphology of:
 - a. Isospora species.
 - b. Babesia species.
 - c. Plasmodium malariae.
 - d. Borrelia species.



- 4. The acid-fast bacilli seen in the carbol fuchsin AFB smear of expectorated sputum in the figure to the right should be reported as:
 - a. No acid-fast bacilli seen.
 - b. Rare or 1+ acid-fast bacilli seen.
 - c. Few or 2+ acid-fast bacilli seen.
 - d. Numerous or 3+ acid-fast bacilli seen.



- 5. The figure at the right illustrates the typical Giemsa smear morphology of:
 - a. Babesia microti.
 - b. Brugia malayi.
 - c. Trypanosoma species.
 - d. Wuchereria bancrofti.
 - e. Epicoccum species.



2012 Clinical Microbiology Laboratory Competency Assessment Instrument Answer Sheet

Name:					Date:			
Instruc	tions:	Answer the questions in each of the sections in which you have been trained. Fill in the circle of the most correct answer to each question.						
Specin	nen Pro	ocessing:			C. difficile and Non-Donor Serology:			
	A	В	C	D	A B C D			
1	0	0	0	0	1 0 0 0			
2	0	0	0	0	2 0 0 0 0			
3	0	0	0	0	3 0 0 0 0			
4	0	0	0	0	4 0 0 0 0			
5	0	0	0	0	5 0 0 0 0			
Bacter	iology	:			Mycology/Mycobacteriology/Parasitology:			
	A	В	\mathbf{C}	D	A B C D			
1	0	0	0	0	1 0 0 0 0			
2	0	0	0	0	2 0 0 0 0			
3	0	0	0	0	3 0 0 0 0			
4	0	0	0	0	4 0 0 0 0			
5	0	0	0	0	5 0 0 0 0			
Virolo	gy:							
	A	В	C	D				
1	0	0	0	0				
2	0	0	0	0				
3	0	0	0	0				
4	0	0	0	0				
5	0	0	0	0				