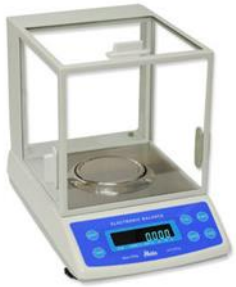
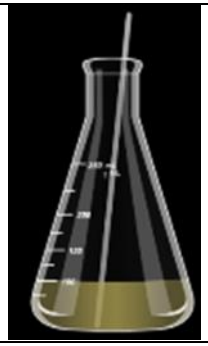
FLOW SHEET #	01	SCENARIO #	01	DATE	11/02/2016	PERSONNEL	*Svitlana Hnatush, Yaryna Kolisnyk, Andriy Halushka, Julia Turchyn*
TITLE	**Isolation and identification of Candida sp. from the oral cavity.**						
SOURCES/ REFS							

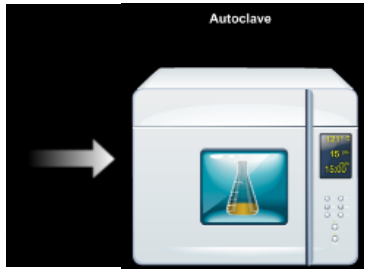
VIDEO TIME (min:s)	ACTION	OBJECTS		PHOTOS OF OBJECTS	POSSIBLE ERRORS	NOTES/ SCREENTEXT /GRAPHICS
SCENE #	**1**	**PREPARATION OF NUTRITION MEDIA**				
0:00	Introduction: health & safety, principles and methods. Gather supplies	Avatar wearing lab coat & gloves. Materials and equipment: Work bench		 	Failure to wear lab coat and/or gloves.	Links to codes of practice:

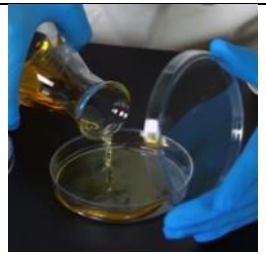
		The jar/bottle of nutrient agar media				
		Measuring cylinder				
		Bottle of distilled water				
		Neochlore disinfecting solution				

		Electronic laboratory balance Erlenmeyer flask Glass stirring rod Chemical spoon		  		

		Sterile, empty Petri plates Bunsen burner Autoclave		  		

	Avatar measures distilled water into clean flask				Failure to measure the correct amount of water	
	Avatar measures the components of the medium into a flask containing 9/10 volume of the solvent. Uses a clean chemical spoon for every measurement				Failure to measure the correct amount of the medium	
	Avatar dissolves the solid components and fills with the remaining solvent up to final volume				Failure to completely dissolve components of the medium	

	Avatar closes the flask with cotton plug and covers with aluminium foil, puts into the autoclave and starts a sterilisation cycle			 	Failure to sterilize correctly	
0:19	Avatar prepares box to the work	washes surfaces with Neochlore disinfecting solution, turns on the UV lamp for 20 min			Omitting preparation a suitable work area Failure to allow sufficient time for sterilizing box Forget to turn off the lamp before entering the box	
	Avatar cools flask with the media about 20-30 minutes					If the medium is too cool, it will start to solidify into plates. If it is too hot, it will leave excess condensation on the lids.

0:30	Avatar adjusts Bunsen burner				Failure to adjust bunsen to give blue zone	The neck of the flask is not sterilized and contamination occurs
0:57	Avatar takes out the cotton plug and flames the neck of the flask over a Bunsen burner					
1:07	Avatar pours the medium into sterile, empty Petri plates	(15-20 mL into each Petri plate)			розливає середовище далі, ніж за 15 см від полум'я; наливає в чашку замало середовища (не покрило дно);	
1:31	Avatar closes the flask with cotton plug					
1:37	Avatar keeps the plates with medium on table to solidify	Turn dishes upside-down and stack them up for storage			перевертає або переносить чашку до того, як застигло	

					середовище.	
1:43	Avatar extinguishes the Bunsen burner					
	After several hours avatar labels the plates according to the type of the medium and the date	In case of longer storage, Petri plates must be placed into plastic bags or boxes to avoid drying out				Do not store medium containing agar-agar under 4-5°C as it destroys its structure!
	Avatar performs a sterility test:	incubate the test plates at 28°C for 24 hours, and check for sterility				

QUESTIONS FOR SCENARIO

(*Establish the correspondence between the names of media and their description:*)

1. Differential-diagnostic	**a) enable the fast growth of certain group of microorganisms with common physiological properties**
2. Transportation	**b) contain components that inhibit the growth of some microorganisms, but do not have the influence on another**
3. Elective	**c) contain conserving compounds and are used to prevent the death of microoorganisms during the transportation of the studied material to the microbiological laboratory**
4. Selective	**d) are used for the determination of fermentative properties of microorganisms, which is important during their biochemical identification**
	e) are used for the accumulation of sufficient amount of cells for the analysis

Establish the correct sequence of nutrition media preparation stages (put the photos in the correct order) :