Question 03				
QUESTION	ANSWERS	EXTRA INFORMATION	MARK	AO / SPEC. REF.
03.1	to prevent microorganisms / bacteria getting into the milk	Accept pathogens, reject 'dirt' or 'germs'	1	AO2/2 4.1.1.6
03.2	count the number of colonies on each plate		1	AO3/2a 4.1.1.6
	plate with fewest colonies is from most effective treatment		1	
03.3	Level 3: A clear, logical and coherent answer, with no significant redundancy. The student understands the process and links this to reasons for aseptic technique.		5–6	AO1/2 4.1.1.6
	Level 2: A partial answer with some stages missed or not in logical order.		3–4	
	Level 1: One or two relevant points but little linkage of points or logical order.		1–2	
	No relevant content		0	
	 Indicative content wash hands before starting work disinfect work surfaces Petri dishes must be sterilised before use culture media must be sterilised before use inoculating loops used to transfer microorganisms to the media must be sterilised by passing them through a flame the lid of the Petri dish should be secured with adhesive tape and the Petri dish stored upside down cultures should generally be incubated at 25 °C 			
03.4	 Any two from: repeat the experiment several times trial different disinfectants swab teats before treatment so it is possible to see if treatment kills any bacteria 		2	AO3/3a 4.1.1.6
TOTAL			11	