

INDIVIDUAL CASE STUDY (CASE CODE: 12)

BIOTECH AND HEALTH ADMIN COMMITTEE

PARTICIPANT GUIDELINES

- Event will be presented to you through your reading of CURIS Skills, CURIS Knowledge and Case Details
- Each case study must be completed individually and should take approximately 1 hour
- You should take approximately 10 minutes to review this information and 20 mins to conduct external research to help prepare your response
- You should then take approximately 20 minutes to write your response and allot 10 minutes to edit your response and submit your work
- Please also include a citations page to indicate which external sources were used
- All submissions will be made through the CurisConnect website:
<https://curisconnectinfo.wixsite.com/curisconnect>
- You will be evaluated on how well you demonstrate the CURIS Skills and meet the CURIS Knowledge criteria. The last page in your case study package consists of an Evaluation Form whereby the evaluator will allot points for the completion of the case study.
- The points allotted will be based on the depth and detail of your explanation in your response since there are no defined right or wrong answers, but rather we want to see your thinking, research, knowledge and understanding on the situation at hand.
- The amount of points earned will correspond to the amount of volunteer minutes or hours you will earn. The threshold and range for this grading scheme can also be found at the bottom of the Evaluation Form.
- Participants who successfully complete the case study will receive a Certificate of Participation

CURIS SKILLS

- Critical Thinking – Reason effectively and use systems thinking.
- Communication – Communicate clearly.
- Creativity and Innovation – Show evidence of creativity.
- Healthcare Oriented Mindset - Utilizes proper terminology and demonstrates foundational educational understanding in discipline.

CURIS KNOWLEDGE

- Explain the steps to suspect a foodborne illness .
- Describe laboratory techniques to identify pathogen
- Explain how to communicate results and laboratory findings

CASE DETAILS

You are to assume the role of a microbiologist at DiscoveryLAB , a well established public health lab. You specialize in food microbiology and is responsible for investigation outbreaks of foodborne illness in your region.

This public health lab has been running for 15 years and has built a strong research base and partnership with the local health department to provide adequate research in the field of microbiology. The microbiology department studies microorganisms and contributes to ongoing efforts to maintain a clear and infection-free environment throughout the city.

Recently , a local restaurant has been linked to several cases of food poisoning with customers reporting symptoms such as nausea, vomiting , and diarrhea after consuming meals at the restaurant. You receive a notification from the local health department about a suspected foodborne illness associated with the restaurant .

You need to create a microbiology lab study including sample collection, laboratory testing , pathogen identification to identify the causative agent and determine the source of contamination.

Please also address the following questions in your response:

1. What are the steps involved in investigating a suspected foodborne illness outbreak?
2. What laboratory techniques are used to identify pathogens in a microbiology lab?
3. How are the findings communicated to the stakeholders and collaborators?

EVALUATION FORM

PARTICIPANT: _____

EVALUATOR: _____

Did the participant:		Below expectations	Meets expectations	Exceeds expectations	Judged score
CURIS KNOWLEDGE					
1	Explain the steps to suspect a foodborne illness .	2	4	6	
2	Describe laboratory techniques to identify pathogen	2	4	6	
3	Explain how to communicate results and laboratory findings	2	4	6	
CURIS SKILLS					
4	Critical Thinking & Problem-Solving	1	2	3	
5	Communication, Terminology & Professionalism	1	2	3	
6	Creativity & Innovation	1	2	3	
7	Healthcare Oriented Mindset	1	2	3	
TOTAL SCORE					

Total Score	Volunteer Minutes
25-30 points	1 hour
20-24 points	45 mins
15-19 points	30 mins
10-14 points	15 mins