Blood Typing Lab

Who killed Ernie?

Make Up Lab is Due by Thursday May 3rd!
Blood Typing Basics

1. Place two drops of the sample into each of the wells in your tray (A, B and Rh)
2. Add one drop of Anti-A to the A well and stir.
3. Add one drop of Anti-B to the B well and stir.
4. Add one drop of Anti-Rh to the Rh well and stir.
Gathering your Data

If a sample clumps...

The antigen is present

If a sample doesn’t clump...

The antigen is NOT present
Example and Practice

Q: If the A well, the B well and the Rh well has clumping, what is the blood type?
A: AB+

1. If the A well and B well has no clumping, but the Rh well does, what is the blood type?

2. If the A well has clumping but the B well and Rh well does not, what is the blood type?

3. If the B well and Rh wells have clumping, but the A does not, what is the blood type?
Example and Practice Answers

Q: If the A well, the B well and the Rh well has clumping, what is the blood type?

A: AB+

1. O+
2. A-
3. B+
Key Information for Ernie’s Case

The samples taken, where they were found and the suspect’s relationship with Ernie.

Make sure you are familiar with all the evidence!

<table>
<thead>
<tr>
<th>Blood Sample</th>
<th>Where found</th>
<th>Relationship to Ernie</th>
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<tbody>
<tr>
<td>CS: Victim (Ernie Jones)</td>
<td>Sample taken from victim in morgue</td>
<td></td>
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<tr>
<td>CS: Unknown 1</td>
<td>Blade of butcher knife</td>
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<tr>
<td>CS: Unknown 2</td>
<td>Small pool of blood near back door</td>
<td></td>
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<tr>
<td>CS: Unknown 3</td>
<td>Handle of butcher knife</td>
<td></td>
</tr>
<tr>
<td>Suspect 1</td>
<td>Susie Que</td>
<td>Ernie's neighbor, was trying to buy Ernie's property but Ernie didn’t want to sell.</td>
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<tr>
<td>Suspect 2</td>
<td>Marlon Jones</td>
<td>Ernie’s younger brother. The two men haven’t spoken in years due to an old family disagreement.</td>
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<tr>
<td>Suspect 3</td>
<td>Mackenzie Jones</td>
<td>Marlon’s wife. She says that she hasn’t ever met Ernie due to the family feud.</td>
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<td>Suspect 4</td>
<td>Jackson Jones</td>
<td>Ernie’s uncle. Ernie owed Jackson $50,000 and was late in paying the money back.</td>
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<td>Suspect 5</td>
<td>Sam Briggs</td>
<td>Ernie’s boss. Ernie was under suspicion of embezzlement.</td>
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