Health Science 12 - Urine Analysis Lab

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Blk:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Group members:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

SAMPLE LETTER **: A**

**Macroscopic analysis:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SAMPLE LETTER **: B**

**Macroscopic analysis:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SAMPLE LETTER **: C**

**Macroscopic analysis:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SAMPLE LETTER **: D**

**Macroscopic analysis:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**TABLE OF OBSERVATIONS for Urinalysis**

**Record your observations for each sample**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Type** | **Sample A** | **Sample B** | **Sample C** | **Sample D** |
| **Nitrite** |  |  |  |  |
| **Uro –Bilinogen** |  |  |  |  |
| **Protein** |  |  |  |  |
| **pH** |  |  |  |  |
| **Blood** |  |  |  |  |
| Specific Gravity |  |  |  |  |
| **Ketone** |  |  |  |  |
| **Bilirubin** |  |  |  |  |
| **Glucose** |  |  |  |  |

**Lab Questions:**

1. What might low or high pH indicate in a person?

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2. What might a high level of ketones in the urine mean?

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3. What might an elevated level of proteins in the urine mean?

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4. What might a high level of glucose in the urine mean?

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5. Blood/hemoglobin does not normally occur in the urine. What might cause this to occur?

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6. For which urine samples do you have some concerns, state your concern and a possible cause

Sample A: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
Sample B: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
Sample C : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
Sample D : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Summary

Write a summary statement about the lab and the relevance of urinalysis.

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