

## Kastle-Meyer Presumptive Blood Testing Worksheet

## Data Table

	Observations after performing Kastle-Meyer Test	Is the sample likely blood?
Evidence #1		
Evidence #2		
Evidence #3		
Evidence #4		

## **Post-Lab Questions**

- 1. Based on the observations of each evidence sample after application of the Kastle-Meyer test, which sample(s) likely contain blood? Record in the data table above.
- 2. If an evidence sample tested with Kastle-Meyer reagent indicated the presence of blood, does that mean it definitely is blood? If not, what else could it be?
- 3. What would be the next step in analyzing the blood sample if presumptive blood testing indicated the presence of blood?
- 4. Metals such as copper and nickel salts produce false positives in the Kastle-Meyer test. Explain why this produces the same result as hemoglobin in blood?
- 5. The Kastle-Meyer test can detect blood in extremely low concentrations, such as one drop of blood in 10,000 drops (400 mL) water. Explain why this is useful.

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