

# Cytometry Specialist Practice Test Questions and Answers

## 1. What is the primary principle behind flow cytometry?

- A) Magnetic cell separation
- B) Analysis of cells in a fluid stream using laser light scattering and fluorescence
- C) Microscopic cell counting
- D) Chemical cell staining only

## 2. Which parameter does forward scatter (FSC) primarily measure?

- A) Cell granularity
- B) Cell size
- C) Cell viability
- D) Fluorescence intensity

## 3. What is the purpose of compensation in flow cytometry?

- A) Increasing laser power
- B) Correcting for spectral overlap between fluorochromes
- C) Speeding up sample acquisition
- D) Reducing sample volume

## 4. Which quality control measure is essential for accurate cytometry results?

- A) Using expired reagents
- B) Regular calibration with standardized beads and controls
- C) Avoiding equipment maintenance
- D) Running samples without controls

Answers: 1-B 2-B 3-B 4-B

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