

# PCR Practice Test Questions and Answers

## 1. What is the role of primers in PCR?

- A) Act as enzymes
- B) Bind to proteins
- C) Break DNA strands
- D) Start DNA synthesis at specific sites

## 2. What is an internal control in PCR?

- A) A known DNA sequence to check reaction success
- B) An off-target primer
- C) A temperature marker
- D) A failed sample

## 3. What is the role of a lysis buffer?

- A) Color the sample
- B) Neutralize acids
- C) Disrupts membranes and protects nucleic acids
- D) Cuts proteins

## 4. Why is cycle number important in PCR?

- A) It defines RNA yield
- B) It sets probe sequence
- C) It affects pH
- D) It controls DNA yield and fidelity

**Answers: 1-D 2-A 3-C 4-D**

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