

Question 1: The baseline lactate level in blood ranges from _____ mmol/l at rest.

- 0.5 to 1.5
- 1.5 to 2.0
- 2.5 to 3.0
- 4.0 to 4.5

Question 2: An increase of one base pair in DNA-PNA duplex increases the thermal stability of the complex at least upto _____ °C, as compared to DNA/DNA hybrids.

- 1
- 2
- 3
- 4

Question 3: The optimal pH of enzyme horseradish peroxidase is _____.

- 4.0-4.5
- 5.0-5.5
- 6.0-6.5
- 7.0-7.5

Question 4: _____ are the chief protein components of chromatin, acting as spools around which DNA winds, and playing a role in gene regulation.

- Histone
- Biotin
- Riboflavin
- Albumin

Question 5: Antibody IgG, has _____ high affinity binding sites.

- 2
- 3
- 4
- 5

Question 6: _____ are oligonucleotide hybridization probes that can report the presence of specific nucleic acids in homogeneous solutions.

- Molecular Beacons
- Biophotonics
- Aptamers
- Epitope