

# Procedure to determine the effect of adrenaline on rat uterus

(Pre- and post-test)

1. Which of the followings are required to perform experiment on tissue responses to agonist or antagonist?
  - a) Organ bath
  - b) Kymograph
  - c) Personal computer
  - d) Physiological salt solution
2. Which of the following are the parts of an organ bath?
  - a) Inner organ bath
  - b) Tissue hook
  - c) Outer organ bath
  - d) Kymograph
3. For experimenting tissue responses to different agonist or antagonist which of the following gas mixture is used?
  - a) 95 % O<sub>2</sub> + 5% CO<sub>2</sub>
  - b) 95 % CO<sub>2</sub> + 5 % O<sub>2</sub>
  - c) 50 % O<sub>2</sub> + 50 % CO<sub>2</sub>
  - d) 75 % O<sub>2</sub> + 25 % CO<sub>2</sub>
4. What are the different types of physiological salt solution?
  - a) Tyrode
  - b) Ringer Lock
  - c) De Jalon
  - d) Phosphate buffer solution
5. To perform tissue responses to any agonist or antagonist, what should be the temperature of physiological salt solution?
  - a) 22° C
  - b) 28° C
  - c) 37° C
  - d) 40° C

6. What do you mean by contact period?
  - a) Total time duration of keeping experimental tissue in contact with drug
  - b) Total time duration of performing whole experimental procedure
  - c) Total time needed to record kymographic tracing
  - d) Total time required to set up the organ bath
  
7. Which of the following is/ are true regarding magnification of tissue response?
  - a) For lesser inherent contractility, higher magnification is needed
  - b) For lesser inherent contractility, lesser magnification is needed
  - c) To achieve magnification, distance from fulcrum to tissue attachment point should be lesser than the distance from fulcrum to writing point
  - d) To achieve magnification, distance from fulcrum to tissue attachment point should be greater than the distance from fulcrum to writing point
  
8. Where the tissue response is recorded?
  - a) Computer
  - b) Kymograph
  - c) Record storage device
  - d) Both 'a' & 'b'
  
9. Only one type of physiological salt solution is used for all type of tissue experiments. T/F
  
10. The experimental tissue is washed several times before applying each strength of experimental agent. T/F