

In vitro dissolution testing apparatus

(Pre- and post-test)

1. What are the purposes of using dissolution apparatus?
 - a) Quality control of drug
 - b) In Research & Development to examine drug release behavior
 - c) *In vitro in vivo* correlation
 - d) All the above
2. Dissolution test of which of the following dosages forms are done in basket apparatus?
 - a) Tablet
 - b) Capsule
 - c) Enteric coated
 - d) Controlled release
3. Which of the following are the parts of basket dissolution apparatus?
 - a) Basket-rack
 - b) Beaker
 - c) Paddle
 - d) Disc
4. Which of the following statements are true regarding basket apparatus?
 - a) Tablet is put in the test tube
 - b) Tablet is put in the beaker
 - c) Disc is put over the experimental drug
 - d) The beaker contain the standard solution
5. How much solution is needed in experiment with basket apparatus?
 - a) 1000 mL
 - b) 2000 mL
 - c) 3000 mL
 - d) 4000 mL
6. Which of the following are the steps of preparing the basket apparatus?
 - a) Put tablets in glass test tube of basket-rack
 - b) Put disc over the tablet
 - c) Put disc in glass test tube first then put tablet

d) Twist upper plate to reduce the size of whole

7. Which of the following temperature should be maintained while using dissolution apparatus?

a) 37° C

b) 39° C

c) 41° C

d) 43° C

8. Which of the following statement is correct?

a) For dissolution of tablet basket apparatus is used

b) For dissolution of suppositories basket apparatus is used

c) For transdermal patch basket apparatus is used

d) For implant basket apparatus is used

9. Number of each disc corresponds with the number of chamber inside the basket. T/F

10. Basket rack is attached with a stand with the help of magnet located in its upper part. T/F