

**Evaluation of Nor-epinephrine  
ED50 on Isolated Rabbit Arterial  
Ring**

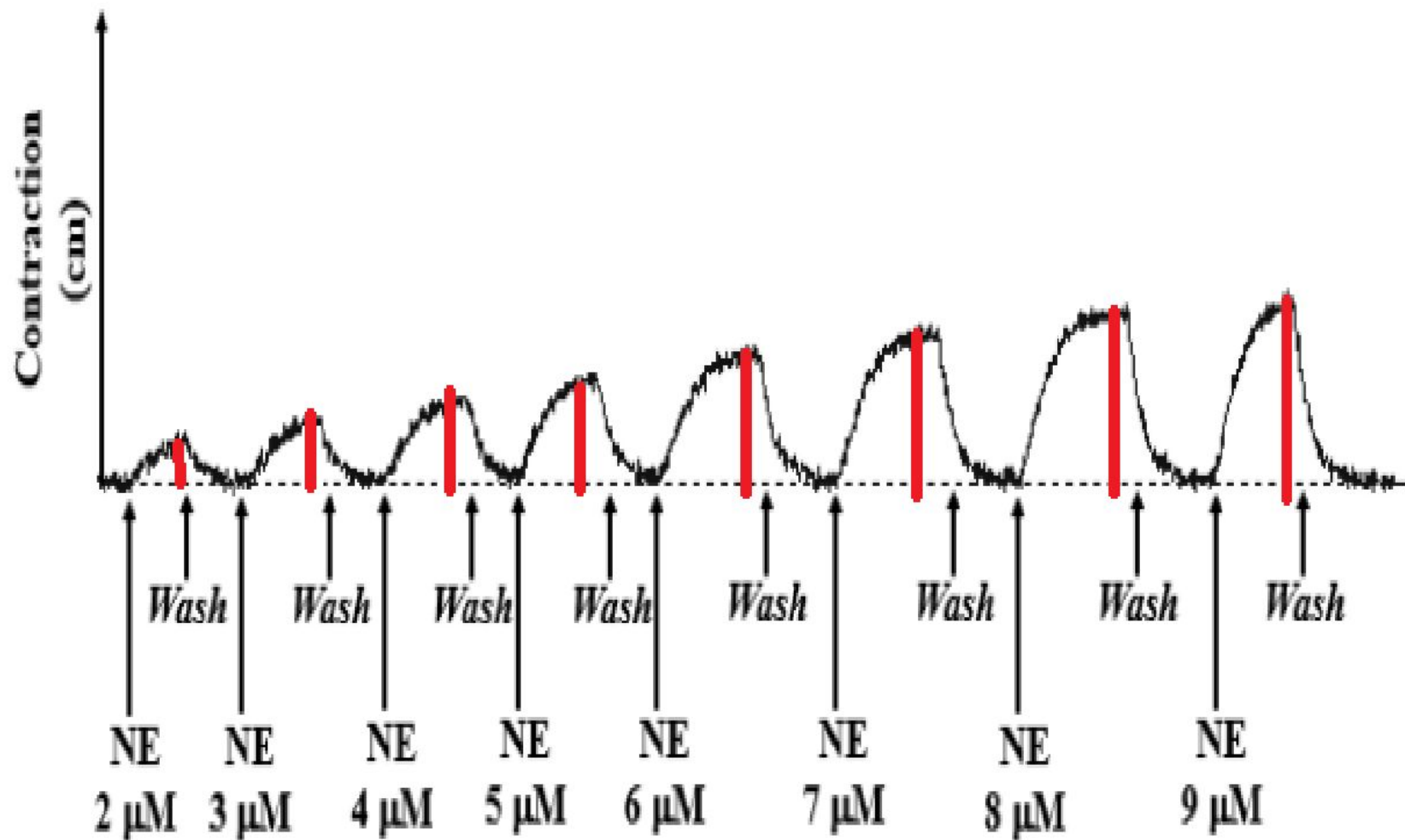
- Principle:

- Isolated arterial ring of the rabbit has alpha adrenergic receptors.
- Nor-epinephrine increase the contractility of this preparation through its agonistic activity on alpha adrenergic receptors.

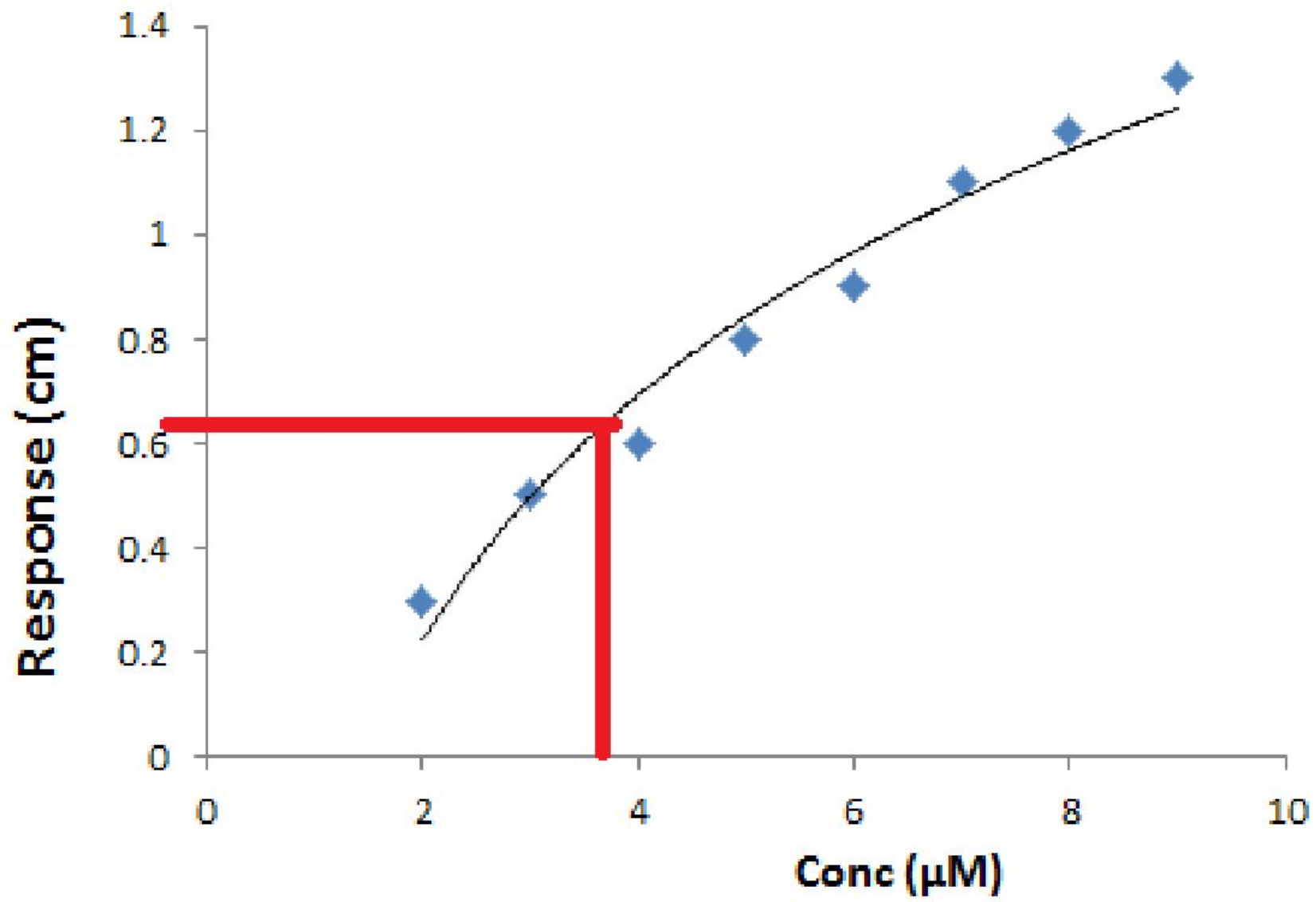
- Assignment:

- Different concentrations of Nor-epinephrine (NE) (2-9  $\mu\text{M}$ ) were applied sequentially to isolated rabbit arterial ring and the contractility was recorded for each concentration as outlined in the following figure.

Calculate the ED50 of NE.



NE conc ( $\mu\text{M}$ )	Response (cm)
2	0.3
3	0.5
4	0.6
5	0.8
6	0.9
7	1.1
8	1.2
9	1.3



Thank You!

