

They were placed in air-conditioned environment (20-25°C) and exposed to a photoperiod cycle (12hours light/ 12 hours dark) daily.

After preparation of candesartan solution, the rats received a certain amount of candesartan solution; this amount is to be calculated according to their weights the solution was given by oral cavage.

The rats were divided into 20 groups, every group contain an average of six rats, eight groups received candesartan only, six groups received candesartan with liqourice, other three groups received candesartan with orange while the last three groups received candesartan with pomegranate.

Fruit juices were given to the rats (liqourice, orange, and pomegranate) as multiple doses, before the administration of the drug, by oral cavage.

Each rat had been weighed then we cut the tip of the tail and took a few drops of blood in eppendorf tube and then the rat received the drug solution orally, and after giving the dose of drug to the rat we took a few drops of blood in eppendorf tubes after 30 min and 1, 2, 3, 4 and 6 hours of administration.

Eppendorf tubes were centrifuged for 10 minutes to get the plasma required for the analytical process.

## **2.4 Preparation of Stock Solutions**

### **2.4.1 Preparation of Candesartan Solution to be given to the rats**

0.022 g of candesartan raw material dissolved in 3 ml of DMSO then the volume were completed to 100ml with distilled water.