

#### Al-Mustaqbal University College

Department of Medical Instrumentation Techniques Engineering

Class: 2nd

Subject: Clinical Chemistry

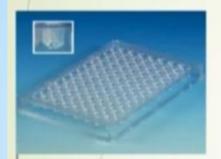
Lecturer: Prof.Salih H.Kadhim

No.: 15

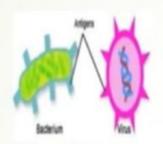


## Elisa Instrument and its uses

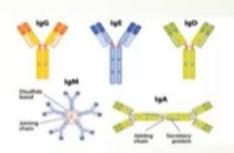
#### Abbreviation and Terms



96-well microtiter plate



Antigen (Microbes)



Antibody ( IgG, IgM, IgA, IgE and IgD)



Micropipette



Serum



**ELISA KIT** 



Conjugate (Ab labeled enzyme – Hors Radish Peroxidase/ Alkaline Phosphatase)

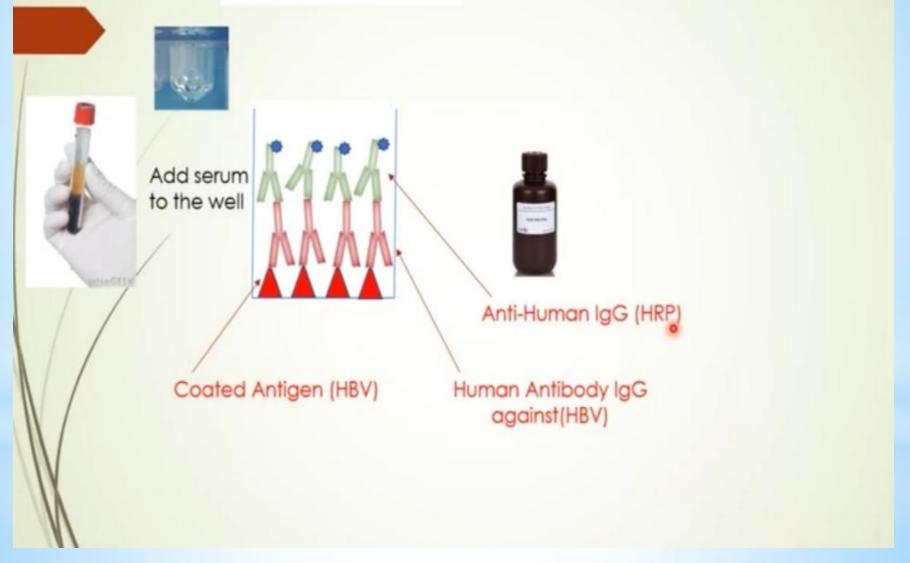


Elisa Washer



Elisa Reader

#### Indirect ELISA (Detection of Antibody)



#### Indirect ELISA (Detection of Antibody)



### **Equipments:**

#### 1) Microwell Plate:

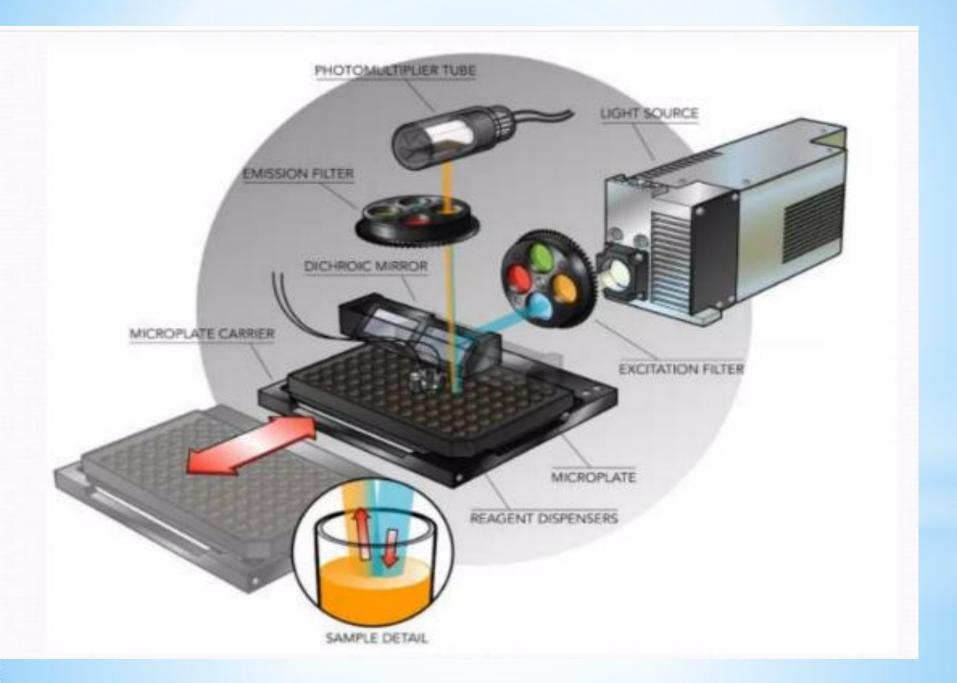
Flat bottom polystyrene plate, contains 8 x 12 wells holding 350 µL each.

#### 2) Multipipette:

An 8-channel 100 µL pipette is a good help for even small-scale work.



Semiautomated wash system



# Measure the absorption at 450 nm by a plate reader.





