



# The Different Application of ELISA

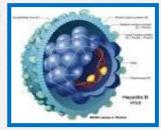






- ✓ Bacteria e.g. Brucella
- √ Fungi
- √ Virus e.g. HBV
- ✓ Parasites e.g. Leishmania









- ✓ HIV
- √ Hepatitis C
- √ Hepatitis B





- ✓ Toxins of bacteria e.g. Staph. aureus
- √ Toxins of fungi e.g. Aflatoxins
- Environmental toxic substances e.g. Cadmium

Measuring food allergens in food industry

✓ e.g. Milk, peanuts & eggs



#### **Detection of Drug Markers**

- ✓ Drug residue in food e.g. Sulfamethazine
- ✓ Toxicology as a rapid presumptive screen for drugs





# Genetically Modified Organisms(GMO)

✓ Qualitative and quantitative detection for targeted protein





### Serological tests of Brucella

- √ Rose Bengal Plate Test (RBPT)
- ✓ Slow Tube Agglutination Test (SAT)
- ✓ Aborts Bang Ring Test
- **✓ ELISA**



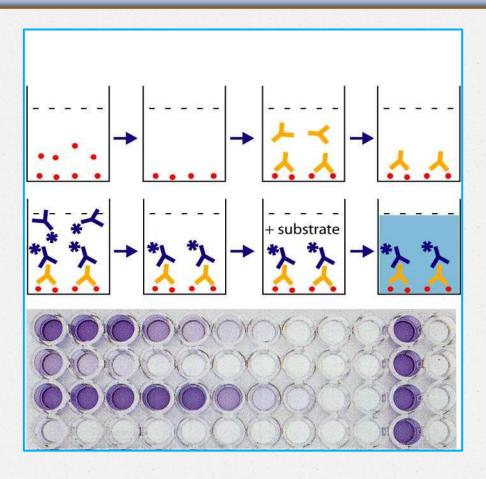
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## **Detection of Brucella by ELISA**

- ✓ Indirect ELISA
- ✓ Competitive ELISA



#### **Indirect ELISA**



# **Competitive ELISA**

