

# **ACTIVE IMMUNIZATION & TYPES OF VACCINES**

# Active Immunization

- In this kind of immunization, animal reacts actively by generating an immune response to an antigen administered to itself (primary immune response).
- Second immunization of the same animal or exposure of this animal to the same microorganism in the field generates a second immune response (secondary immune response)
- This results with a rapidly increasing protective immunity.

# TYPES OF VACCINES



# Conventional Vaccines

- Still are the mostly used vaccines
  - These vaccines are produced with the classical methods and the immunity is provided with usual mechanisms
1. Live vaccines
  2. Inactivated vaccines
  3. Toxoid vaccines
  4. Subunit vaccines

- Discussion of subjects related to passive immunization with students
- What is an active immunization?
- What kind of immunity provided with active immunization?
- How do we classify vaccines?
- How are the vaccines produced?
- What is attenuation and its role in producing vaccines?
- How and when the vaccines are introduced to animals / humans?
- What are the advantages and disadvantages of vaccines?