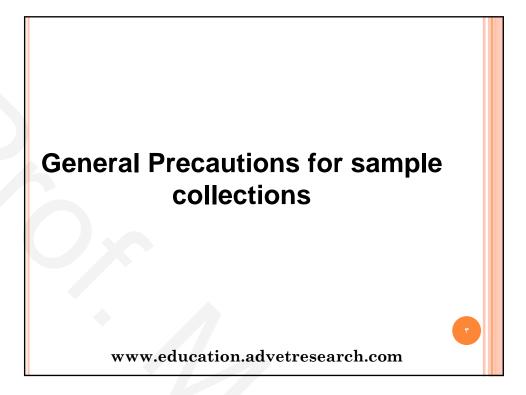
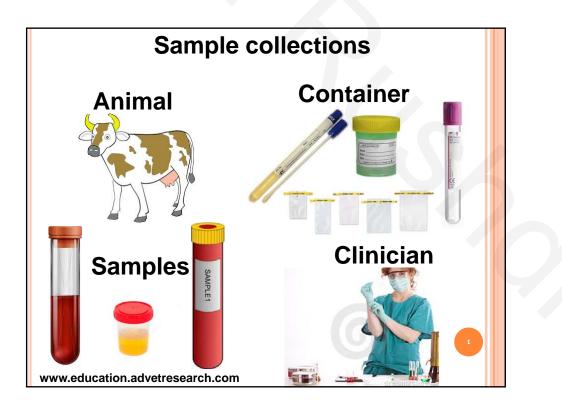


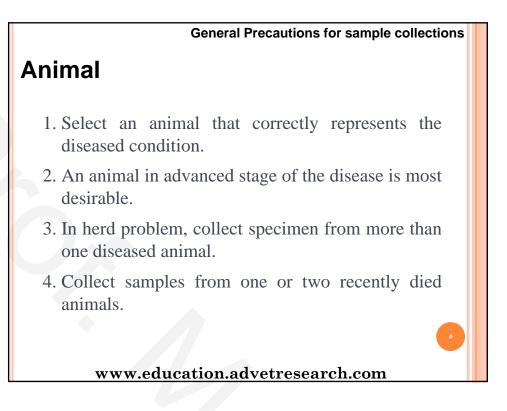


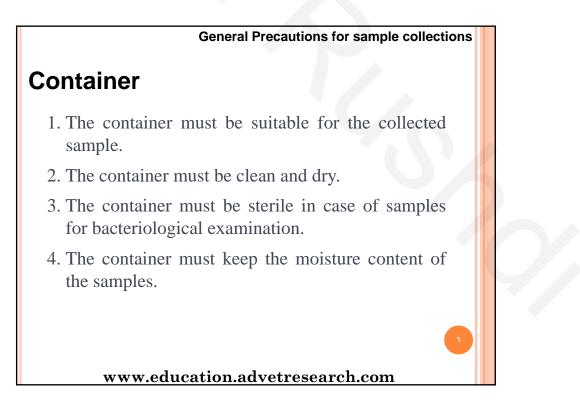
- 1. For helping to establish a disease diagnosis.
- 2. For health surveillance and certification.
- 3. For evaluating the response to treatment.
- 4. For evaluating the health status of diseased cases before surgery.
- 5. For research and epidemiological studies.

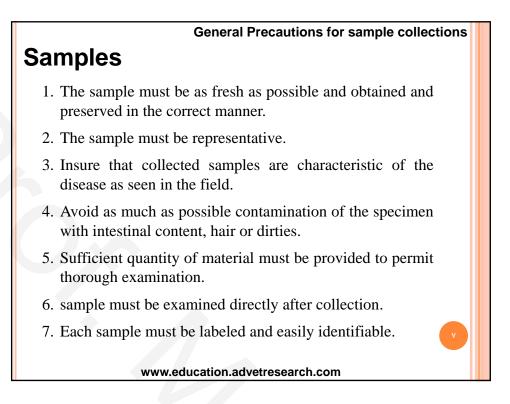
www.education.advetresearch.com









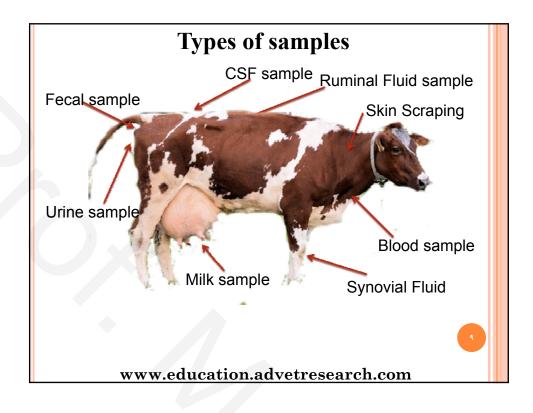


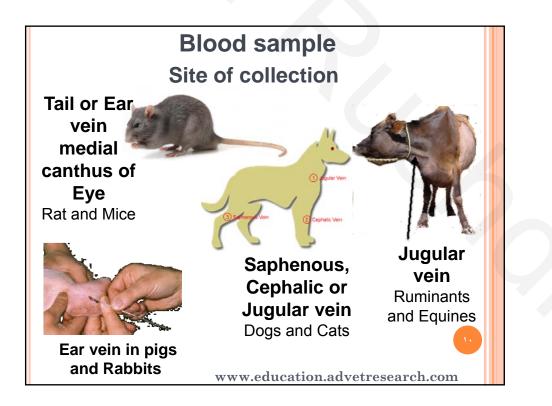
General Precautions for sample collections

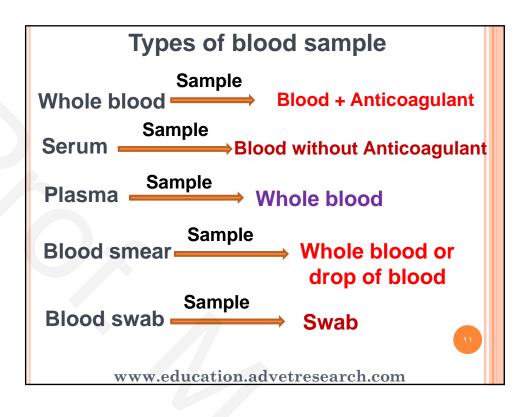
Clinician

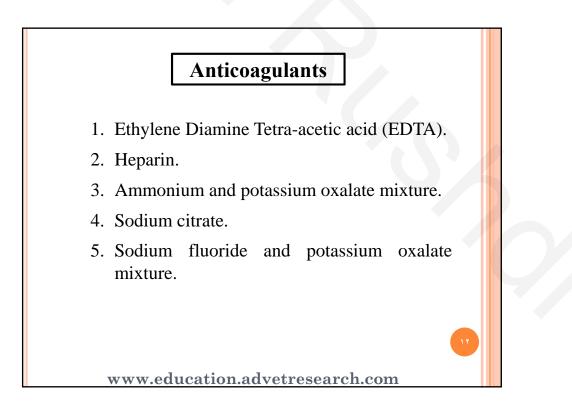
10.The clinician must protect himself (herself) from infection by wearing gloves, masks and glasses.

- 11. The clinician should include the following information with the sample:
 - Owner's name and address.
 - Description of animal species, age and sex.
 - Duration of the condition, mortality rate, number of animals affected and clinical signs observed.
 - Clinical diagnosis and tentative diagnosis submitted.
 - The clinician must request clearly the exact estimation he requires done and give his name, address and telephone number.
 - Types of samples









Ethylene Diamine Tetra-acetic acid (EDTA)

Dose: 1mg/ml blood

Mode: Binding ionized calcium

Advantages:

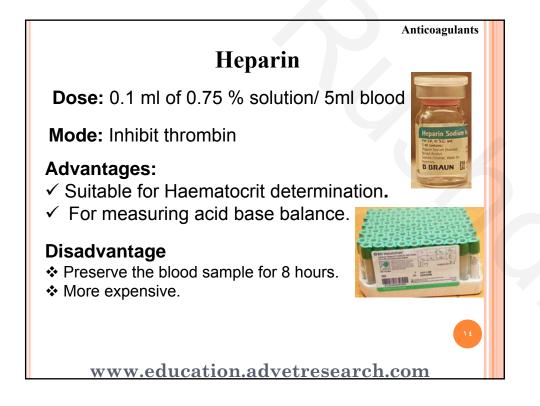
- ✓ Hematological analysis.
- No effect on leukocyte staining affinity.
- Preserve the blood sample for 24 hours.

Disadvantage

Higher concentration of salt withdraws water from red cells and reduces PCV values.



Anticoagulants



AMMONIUM AND POTASSIUM OXALATE MIXTURE
Amount requiredAmmonium oxalate 1.2 gm. potassium oxalate 0.8 gm. D.W. 100 ml.Intervention of the solution in a tube, then dry at 60 ° C. This is sufficient for 10 ml blood.Mode: Binding ionized calciumAdvantagesIt is cheaper than EDTA.
Mode: Binding ionized calcium
Advantages
•It is cheaper than EDTA.
Disadvantages
•It doesn't prevent clumping of platelets.
•It is poisonous

