

ULTRASTRUCTURE OF VIRUSES

ULTRASTRUCTURE

Electron microscope studies show that structurally viruses are made up of the following structure:-

- ⦿ Envelope
- ⦿ Capsid
- ⦿ Nucleoid

ENVELOPE

- ◉ Some viruses are surrounded by an outer thin and loose covering known as envelop.
- ◉ It is composed of proteins, carbohydrates and lipids.
- ◉ This envelope is made up of a large number of smaller protein sub-unit called paplomers
- ◉ Mainly found in animal viruses like Influenza virus, Herpes virus, Rouse sarcoma virus

CAPSID

- ⦿ It is a coat made up of protein .
- ⦿ Which is present around the nucleic acid.
- ⦿ Capsid is made of a large number of smaller subunit called capsomeres.
- ⦿ These capsomeres are made up of amino acids.

NUCLEOID

- The nucleic acid present inside the viral coat is called nucleoid.
- It is the infective part of virus.
- Which is replicated the host cell to form new viruses.