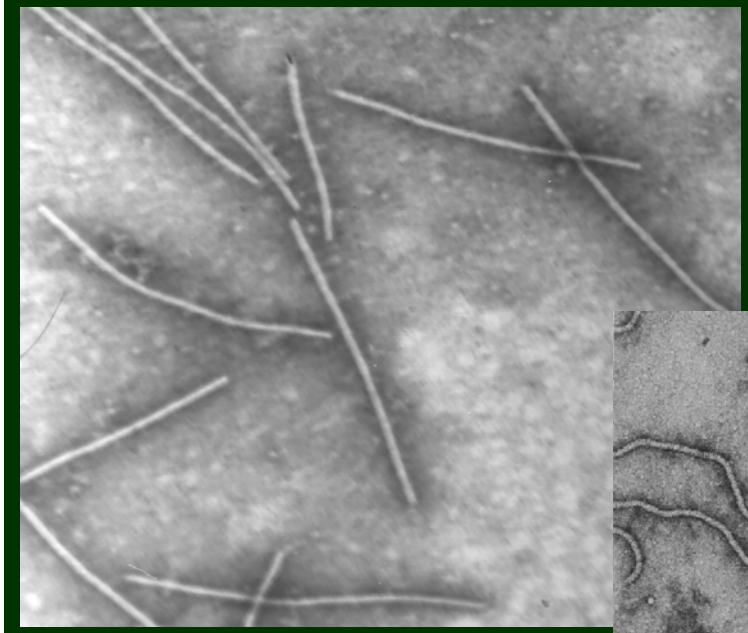
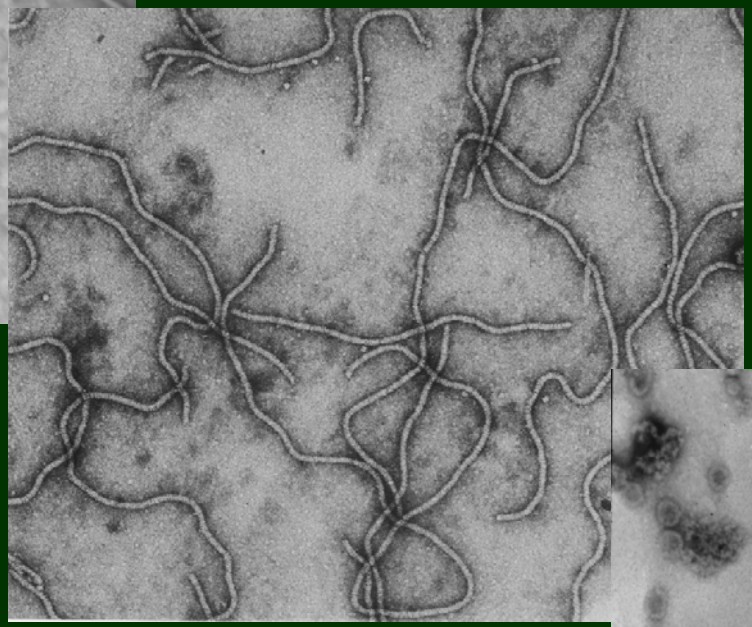
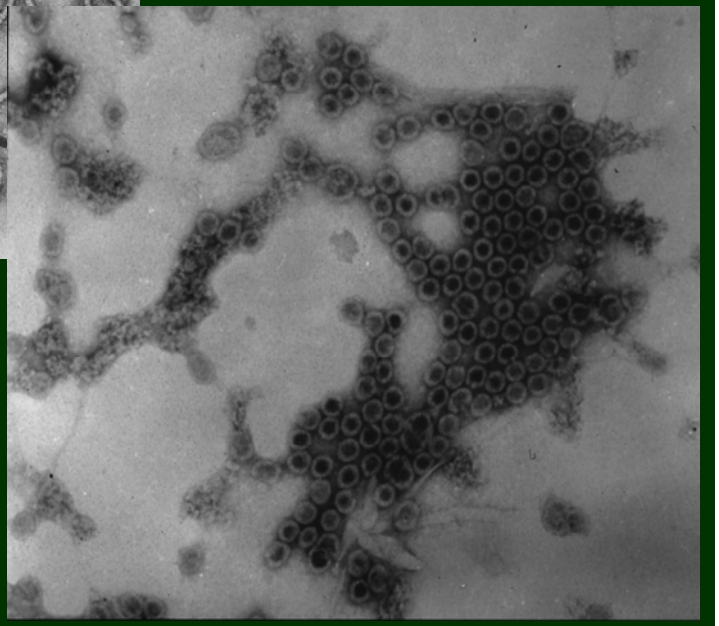
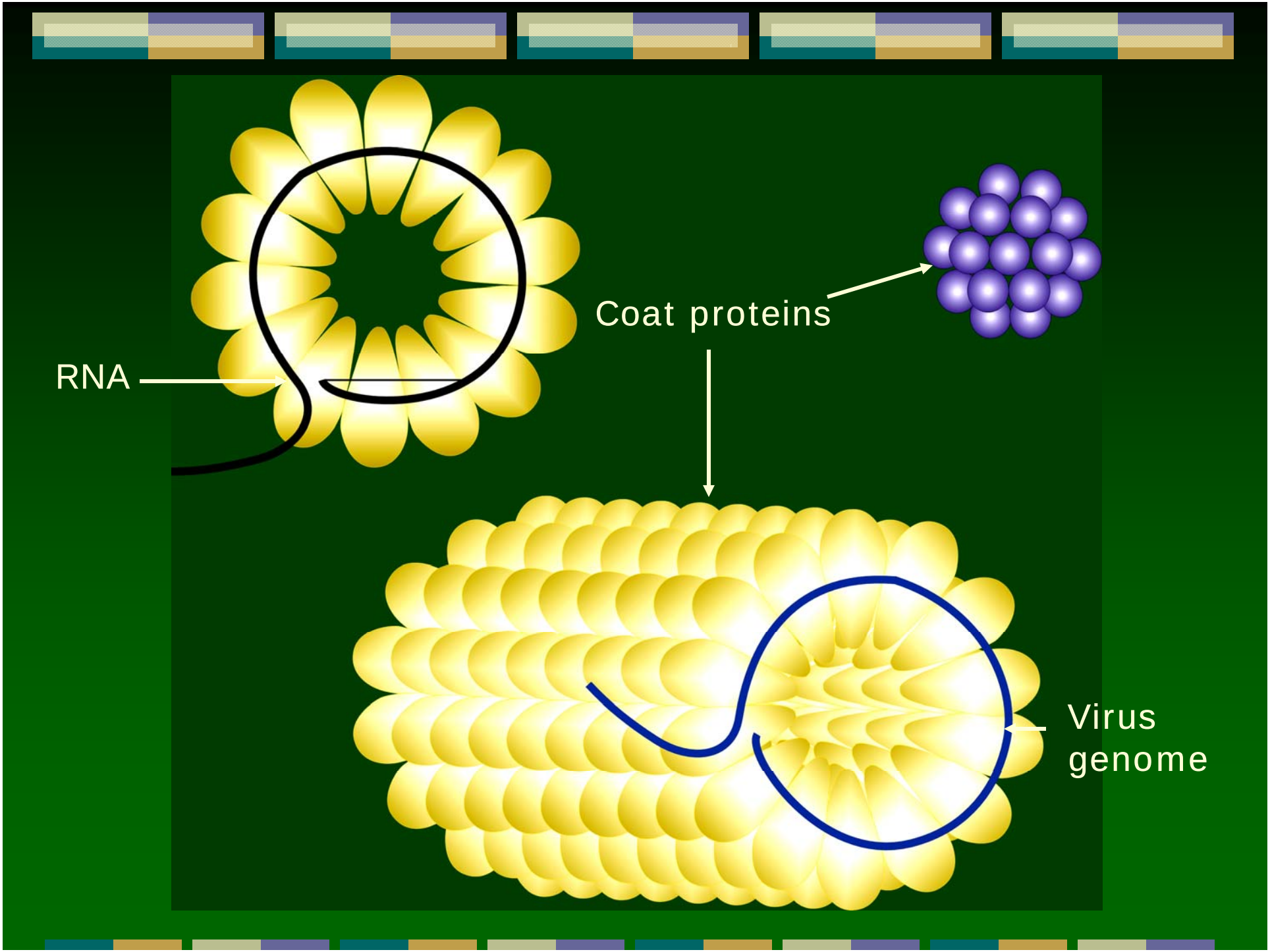

NCM - ELISA
(Nitrocellulose Membrane - ELISA)
INSTRUCTION MANUAL
(For Sweetpotato Viruses)
13 MEMBRANES
14 FILTERS
#4 Blocking buffer
6 Conjugate buffer
3 Extraction buffer
Antisera production

VIRUS

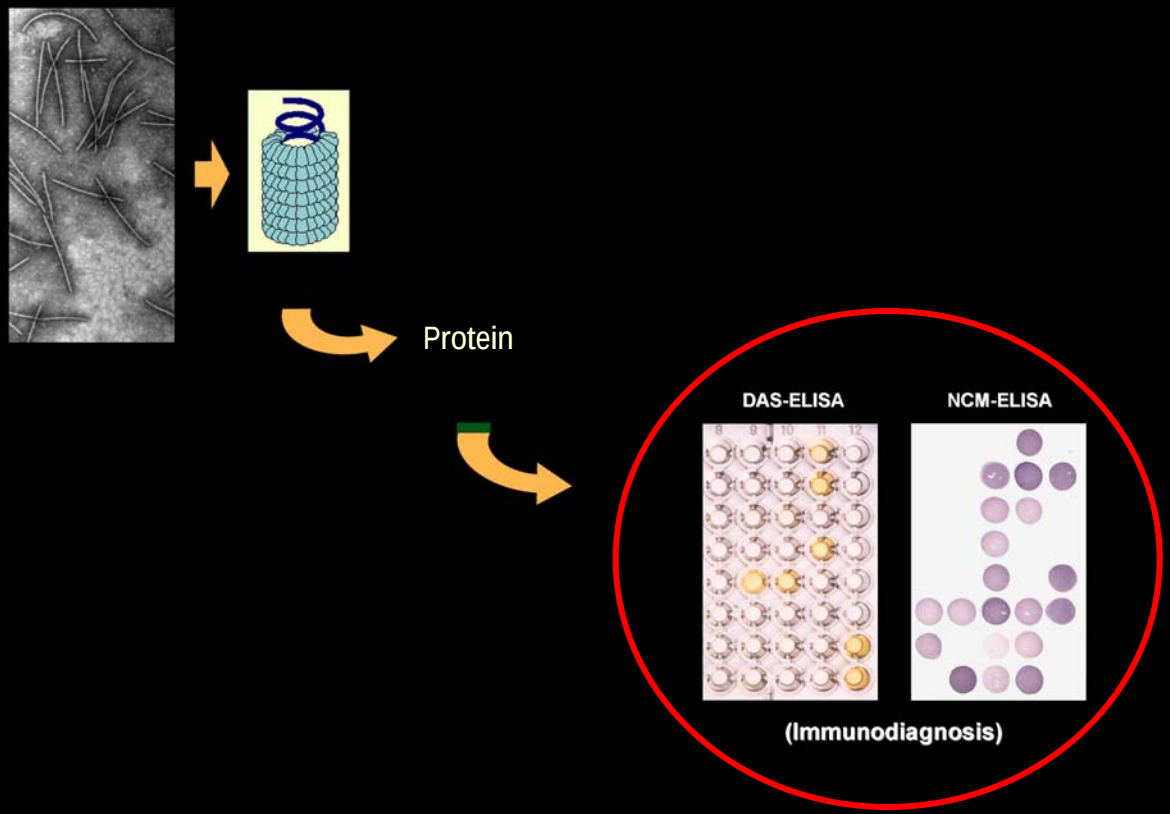







RNA
Coat proteins
Virus genome

Antibodies production



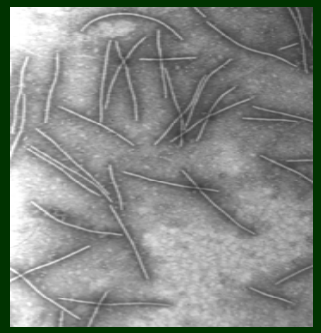
Virus disease

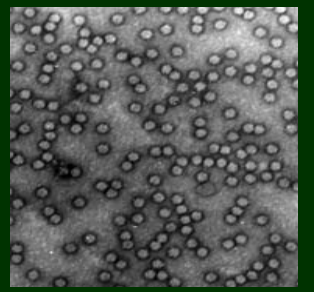
Virus isolation

Identification

Purification

Usually combined processes

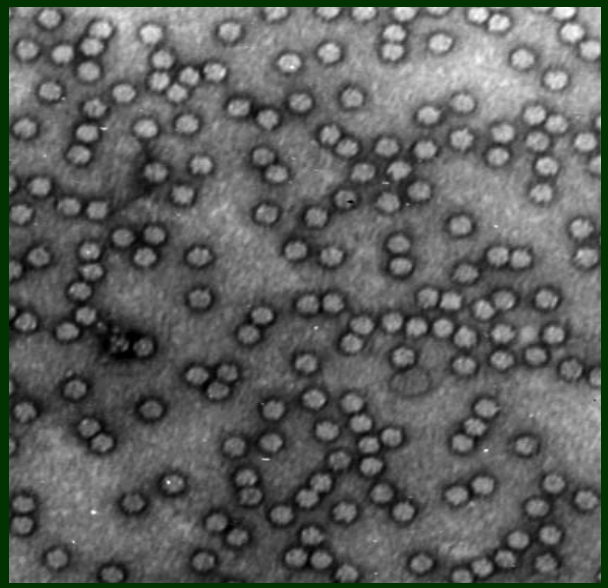




Antibody development

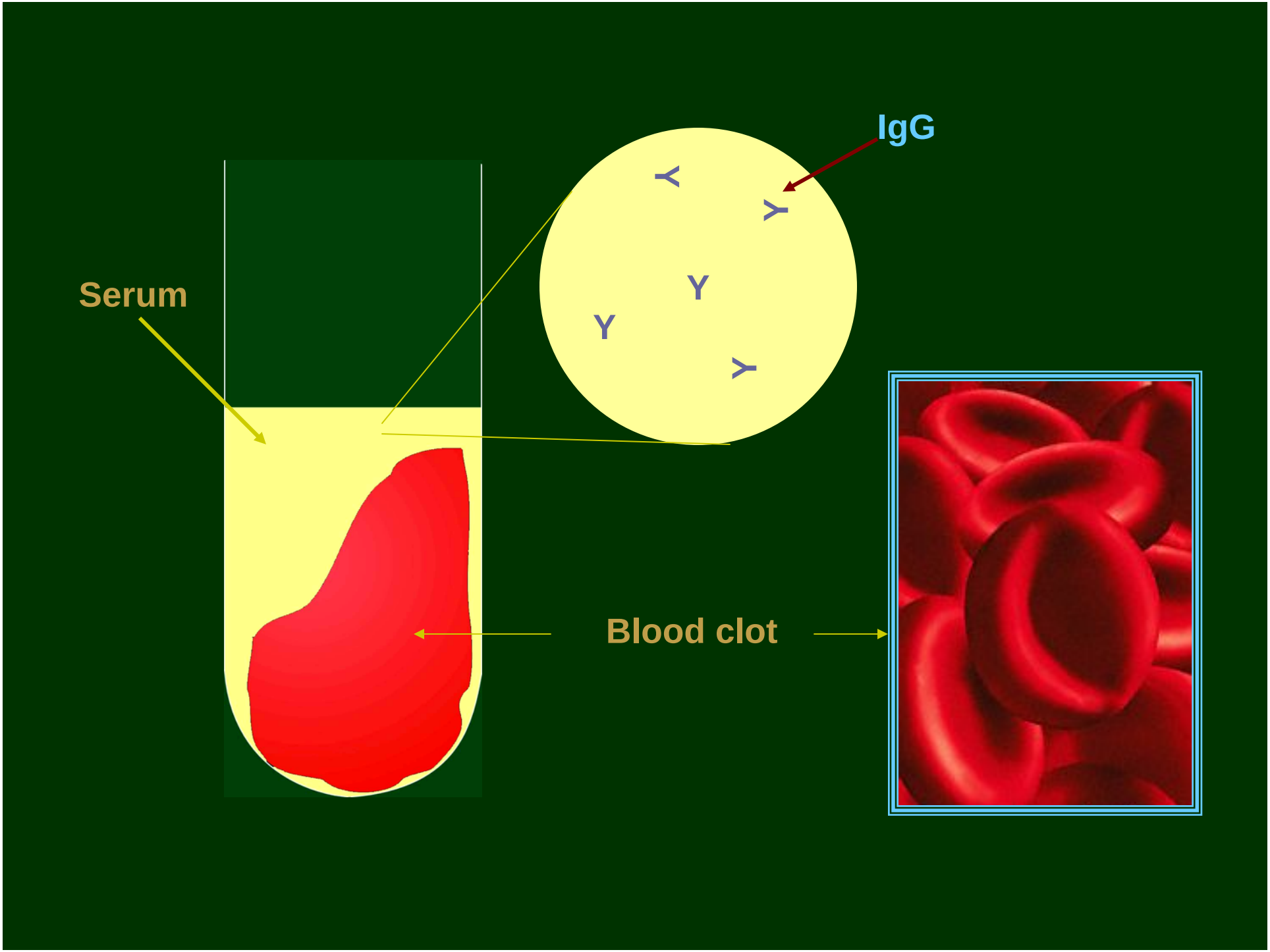
(warm-blooded animals)

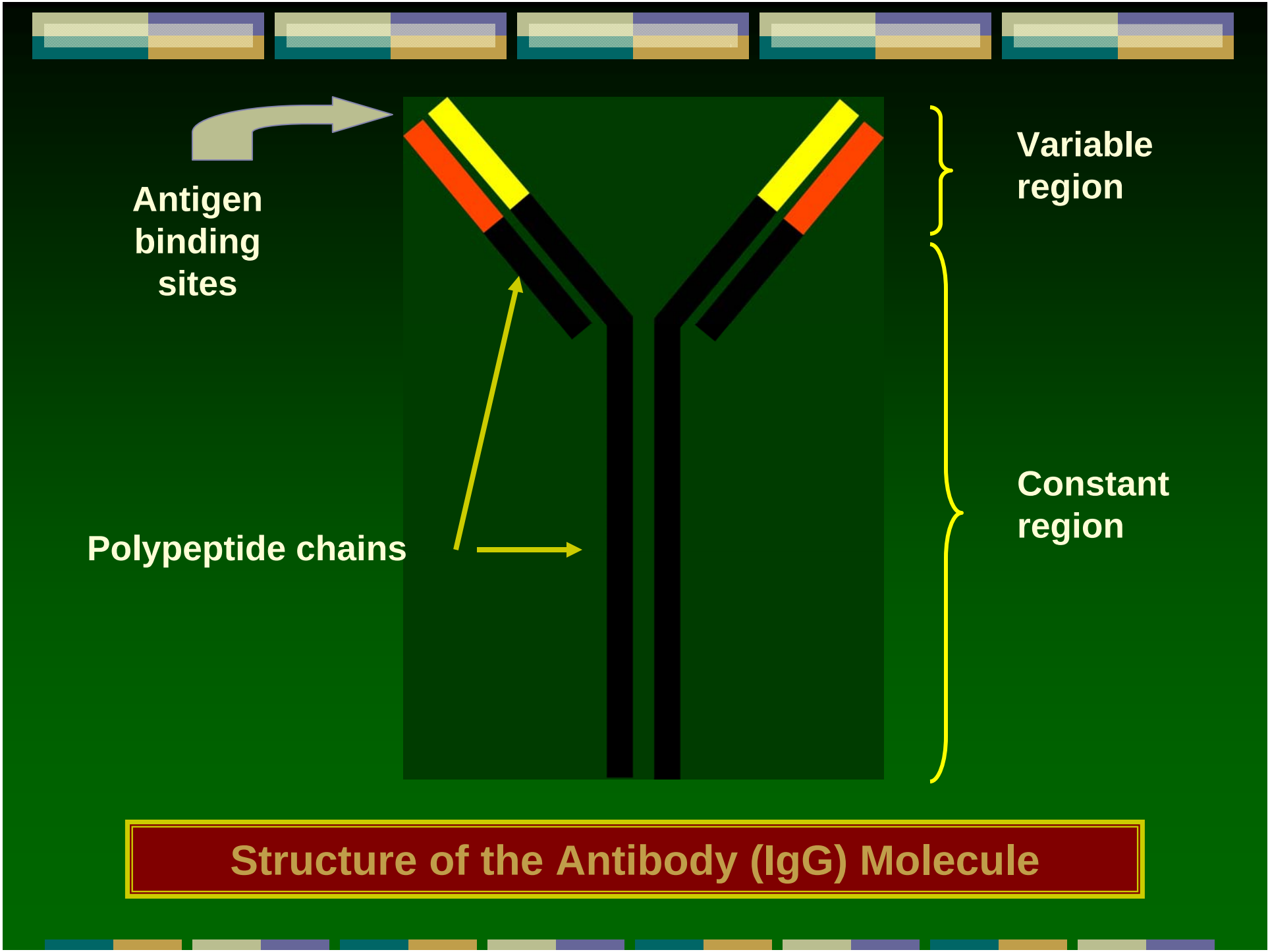
Purified virus



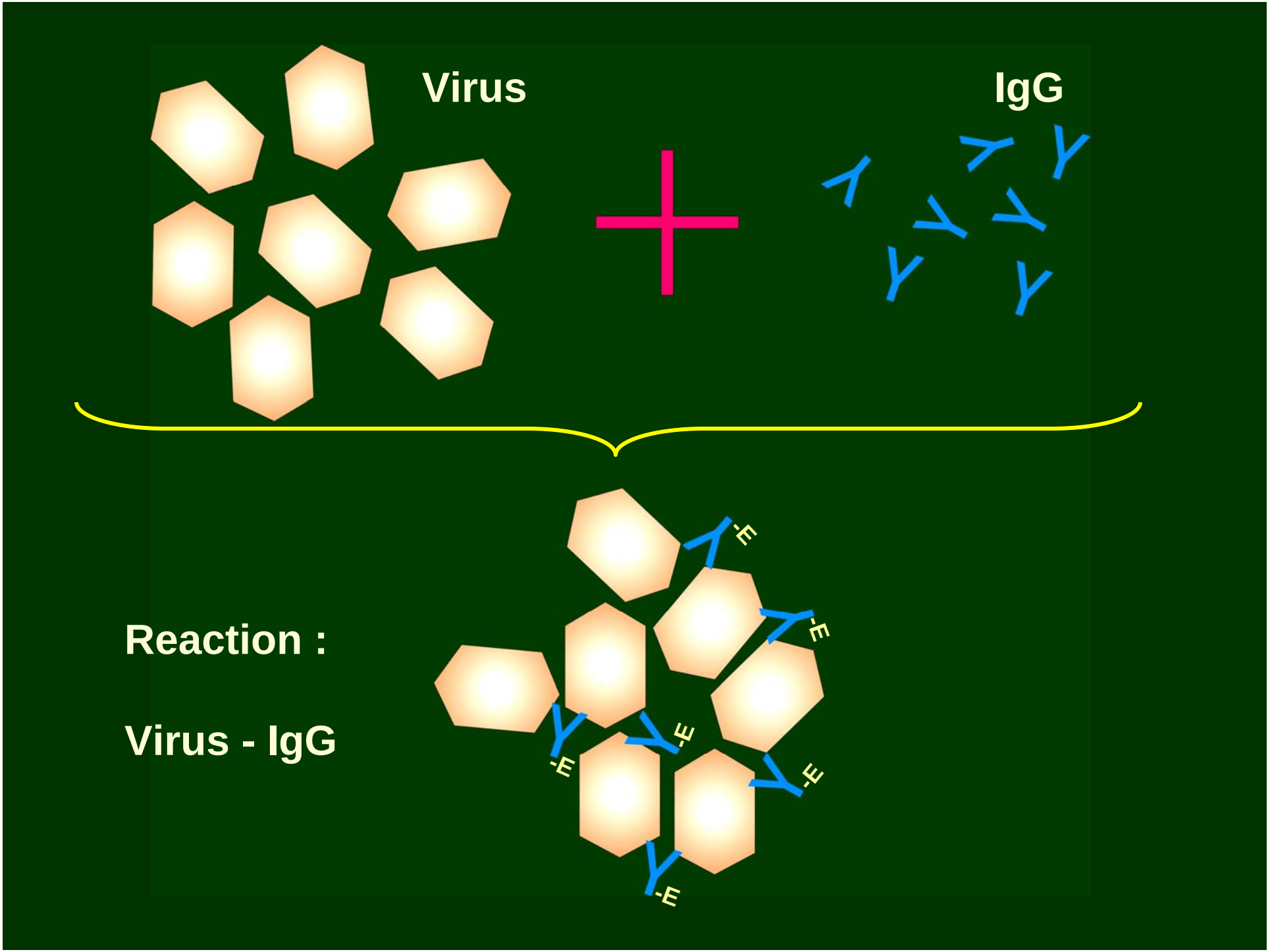
Injected

Rabbit reacts as
like a vaccination


IgG
Serum
Blood clot

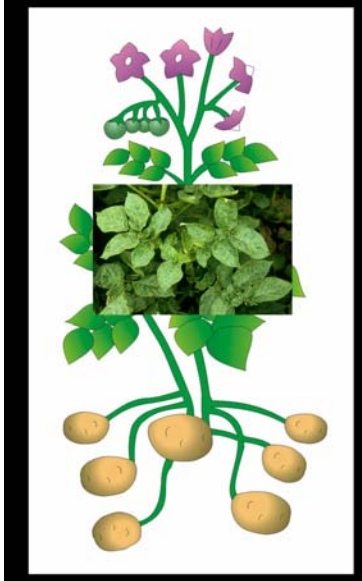


Structure of the Antibody (IgG) Molecule


Virus
IgG
Reaction :
Virus - IgG

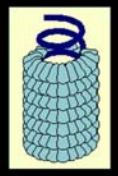
Virus Detection Methods

(Indicator plant)

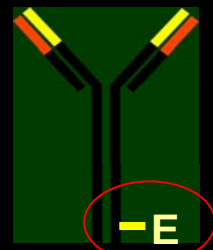


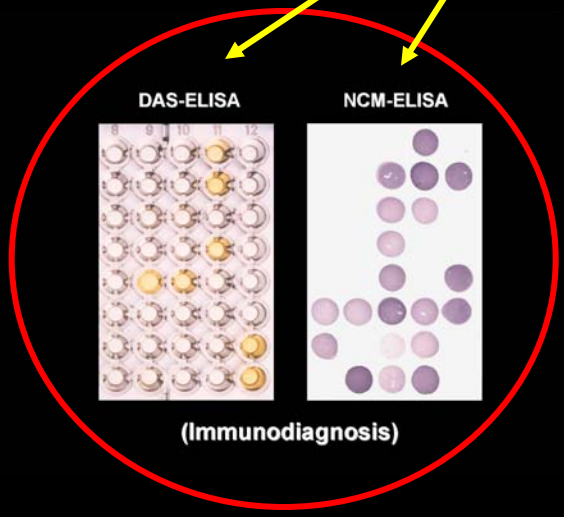
(Symptomatoloy)

(Electron Microscopy)



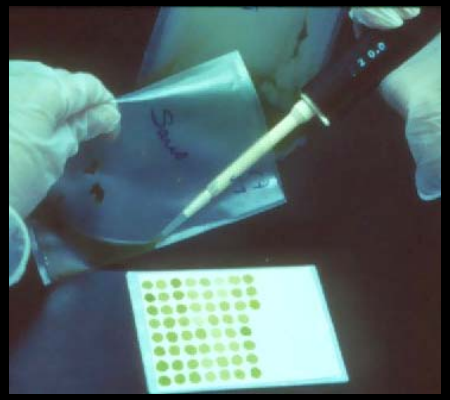
Protein



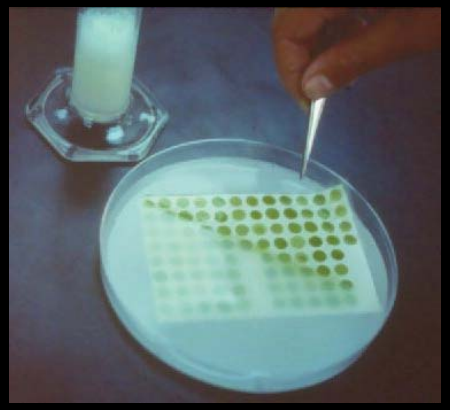


NCM-ELISA

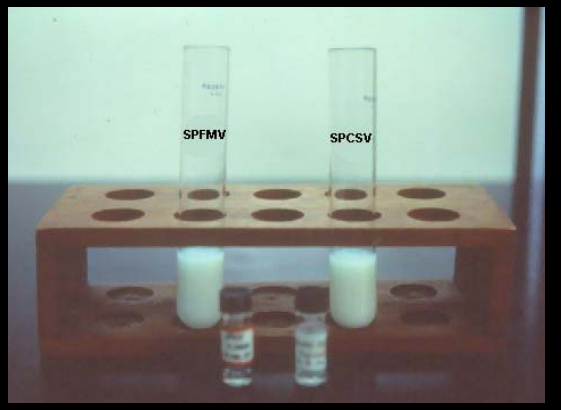
Samples



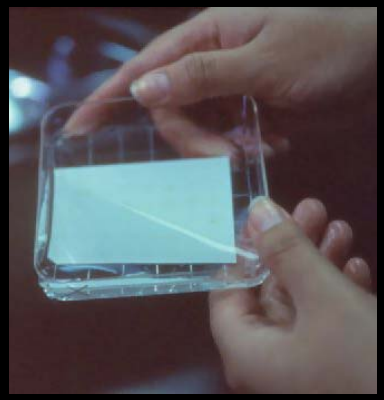
Blocking



1st antibody

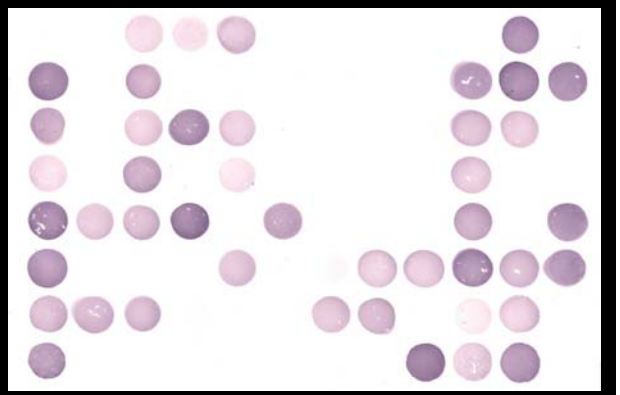


Washing



2nd antibody (Conjugate)

Reaction development



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stop