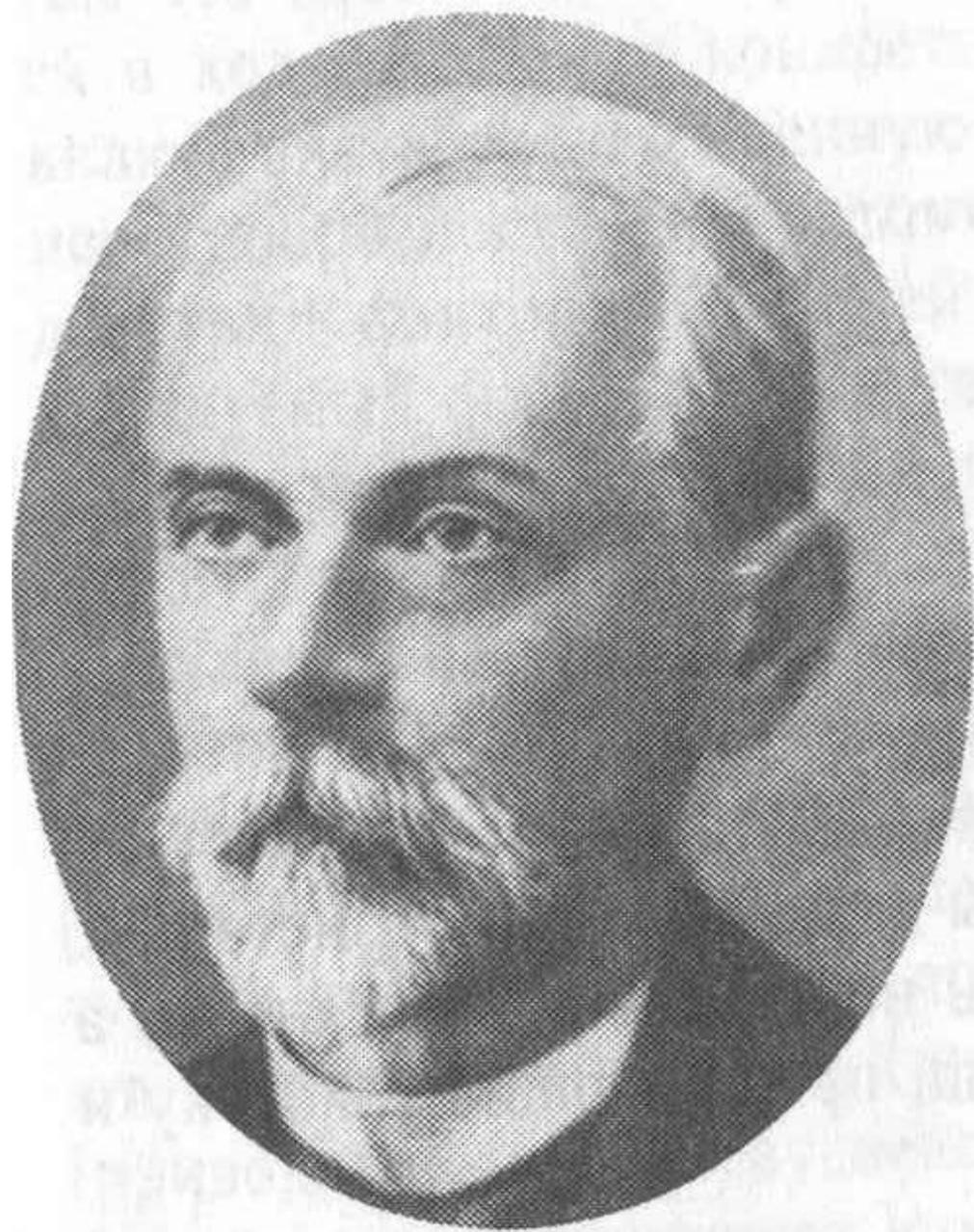
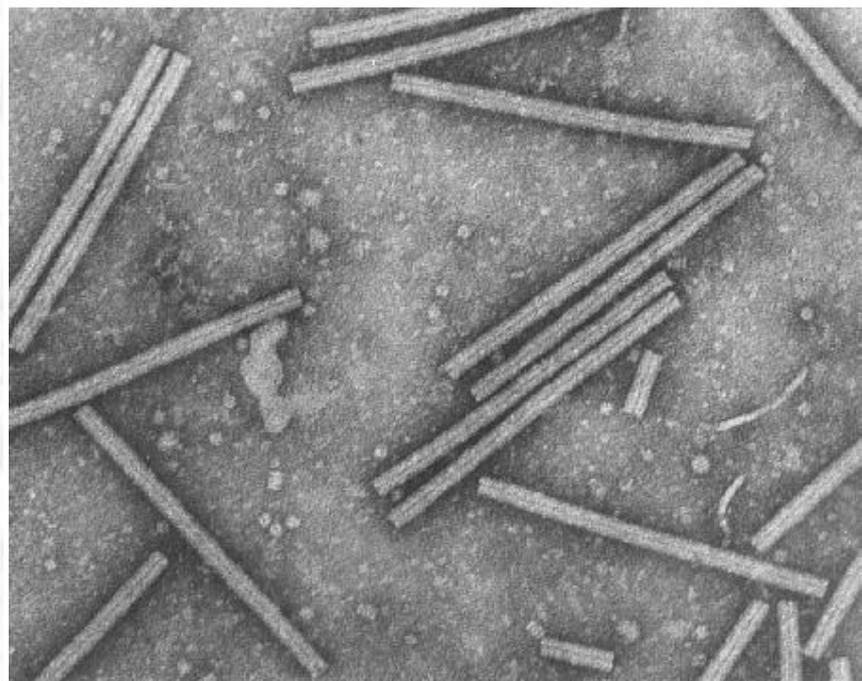


Общая вирусология

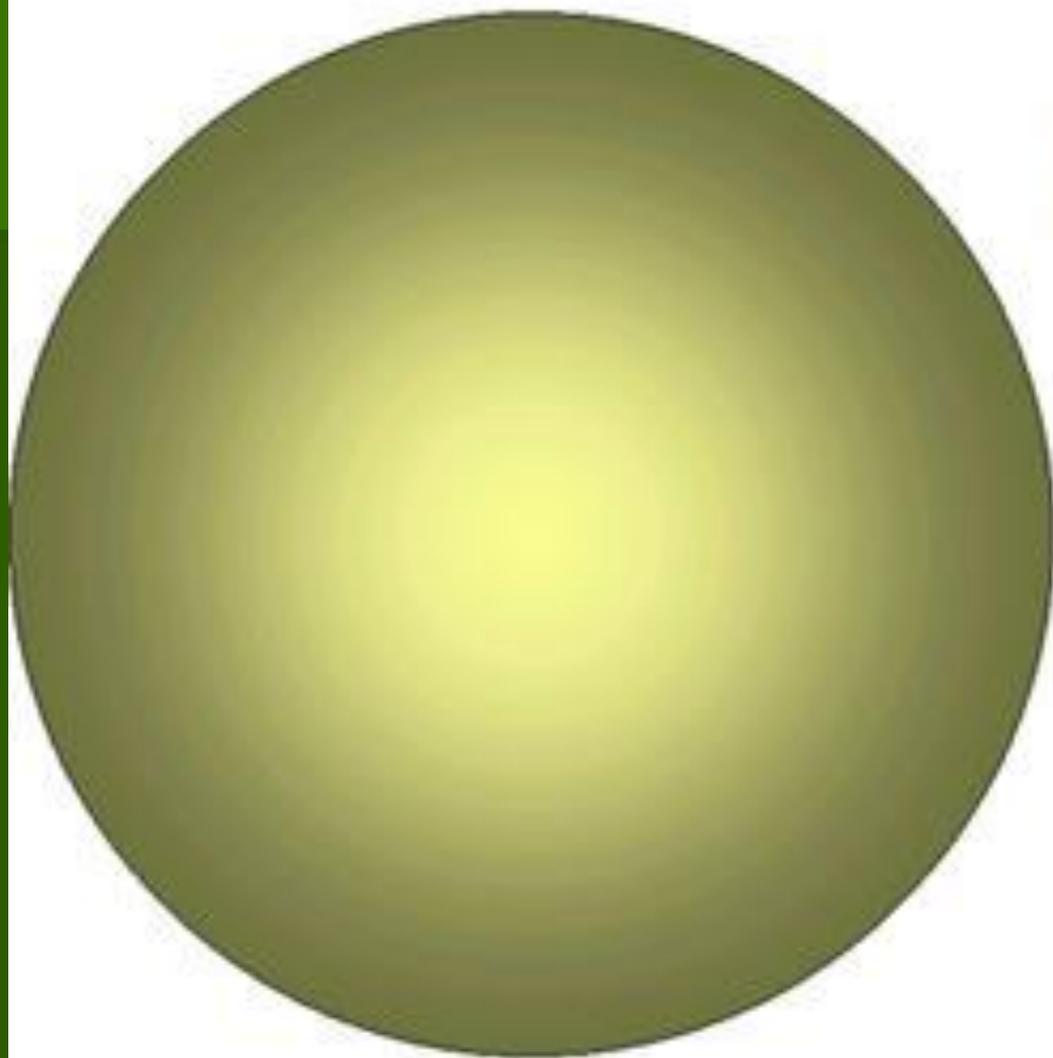




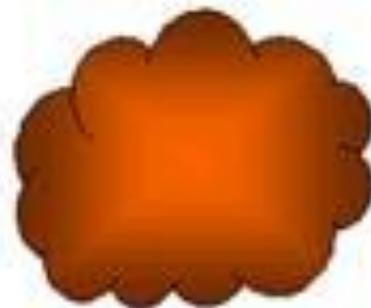
Д.И. Ивановский



1 micron



Bacterium (Staphylococcus aureus)



Chlamydia



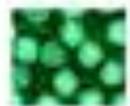
Pox virus



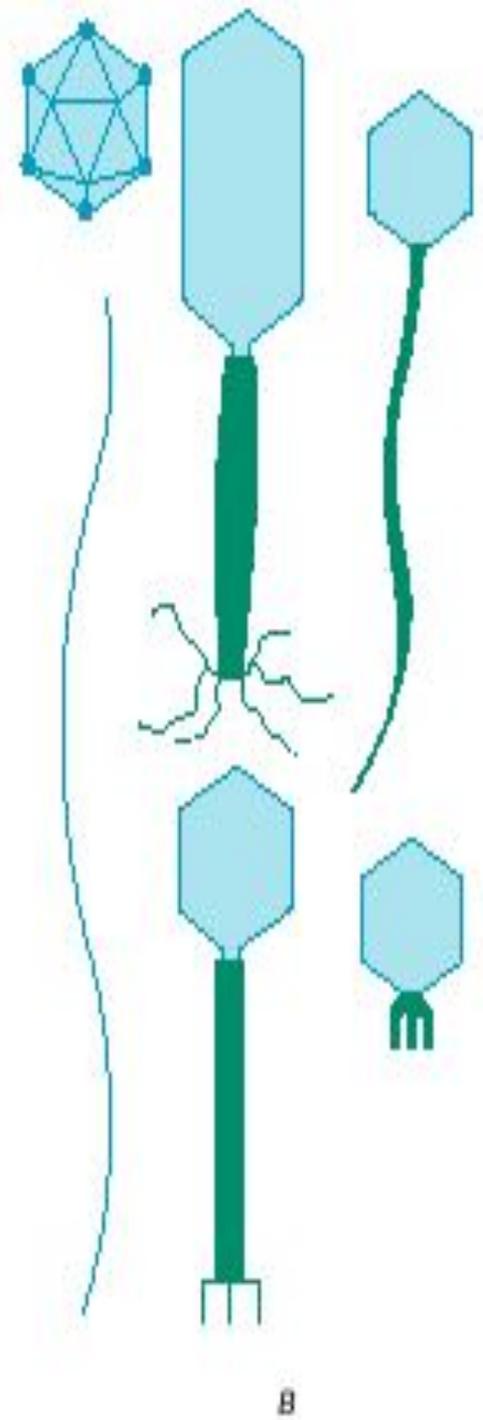
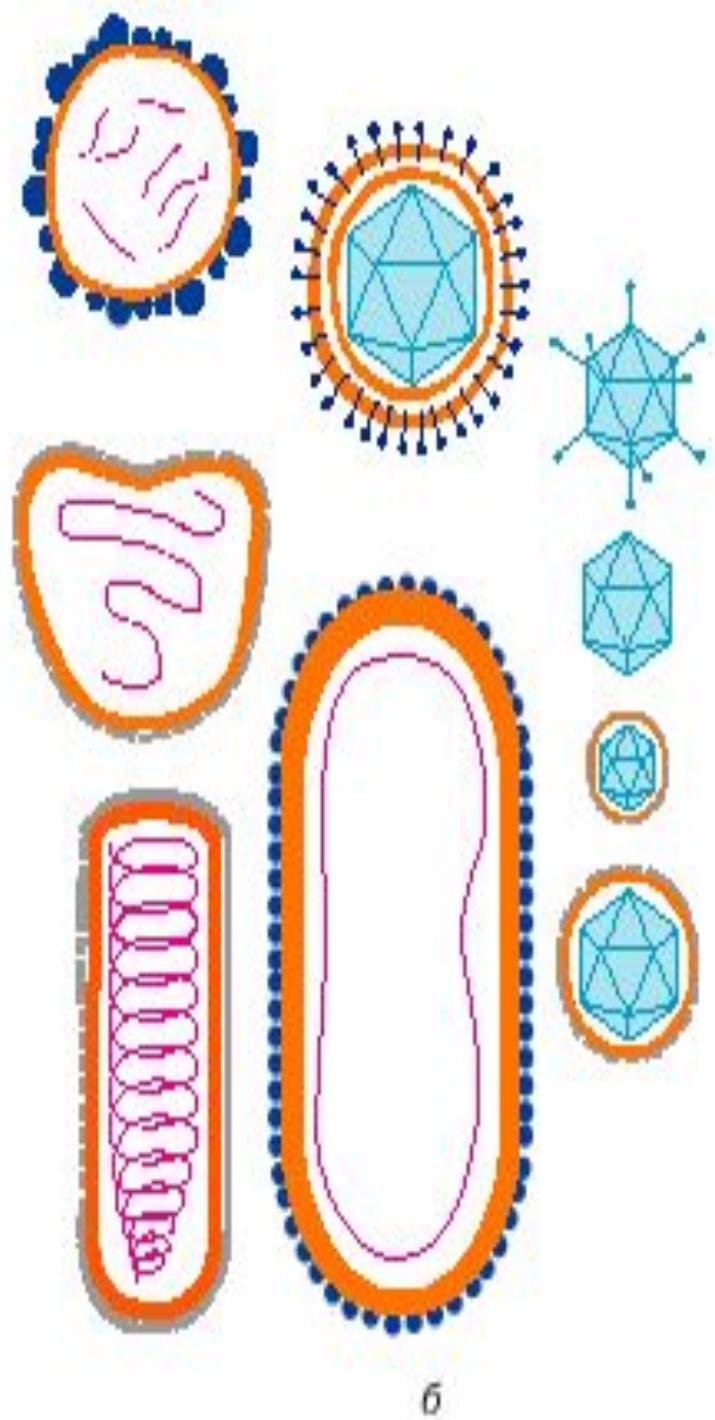
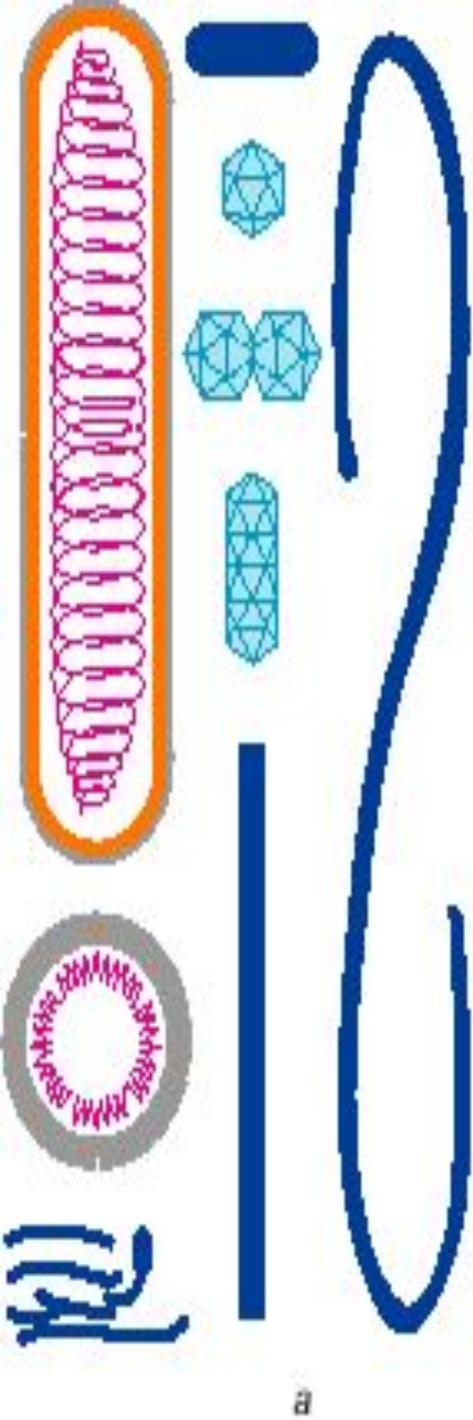
Herpes virus

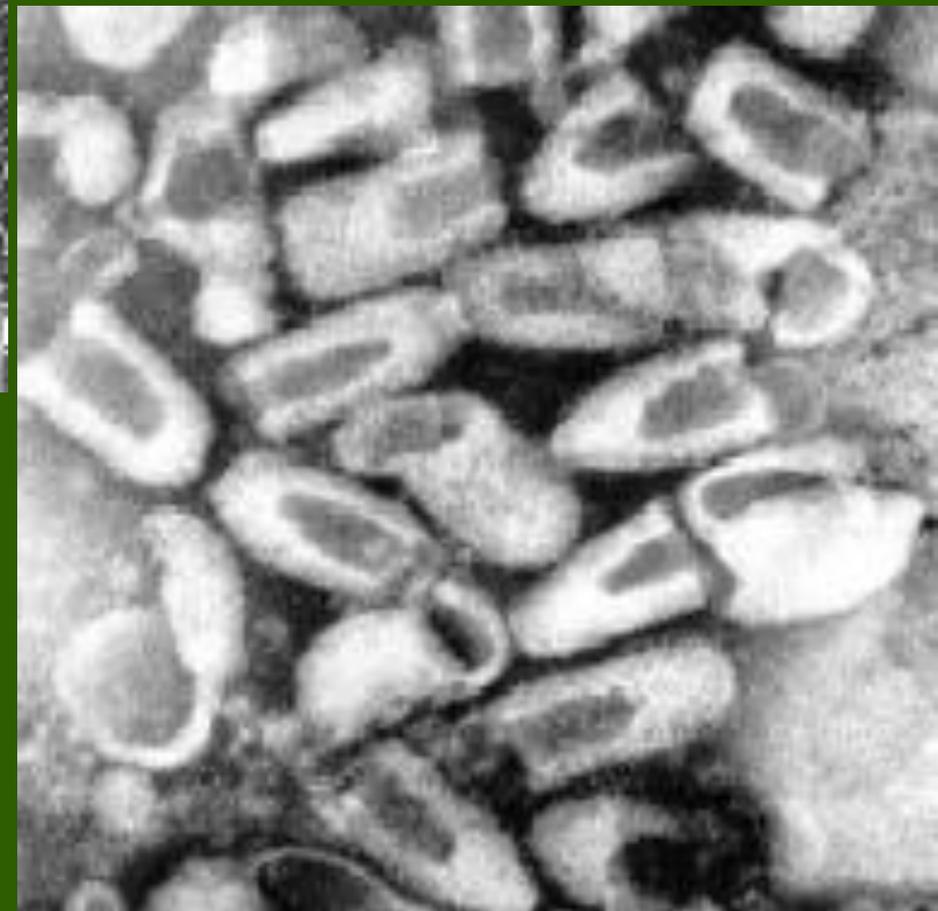
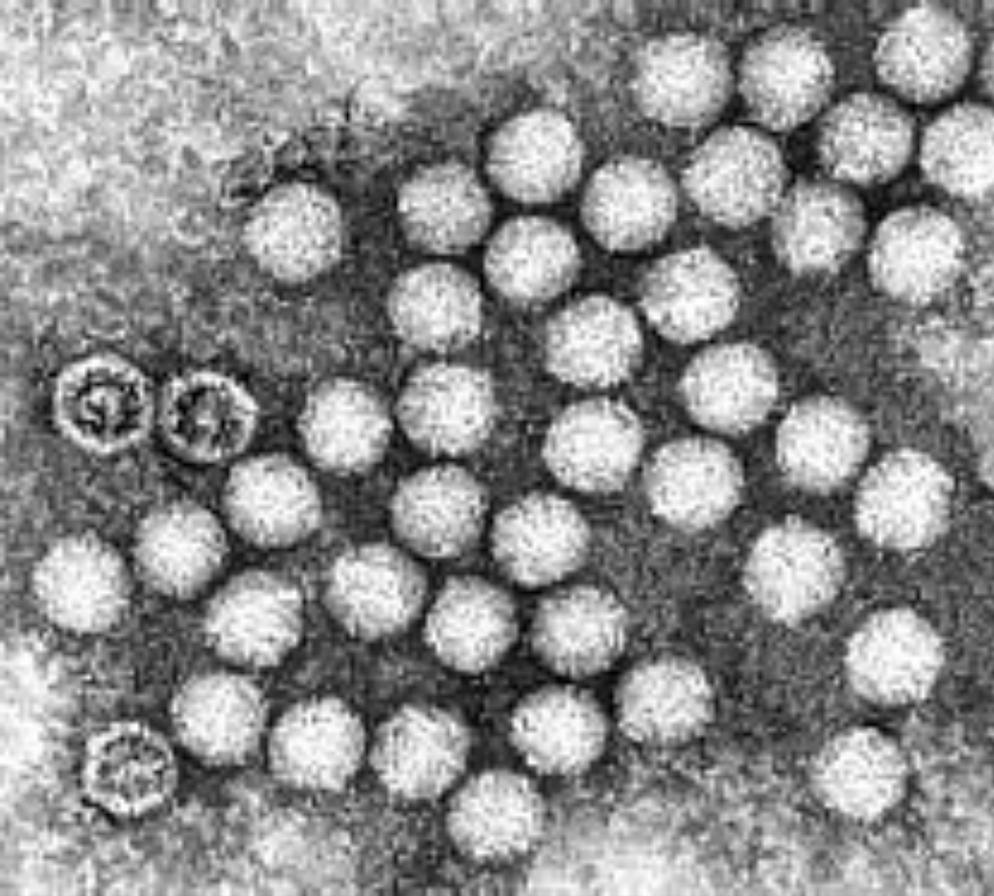


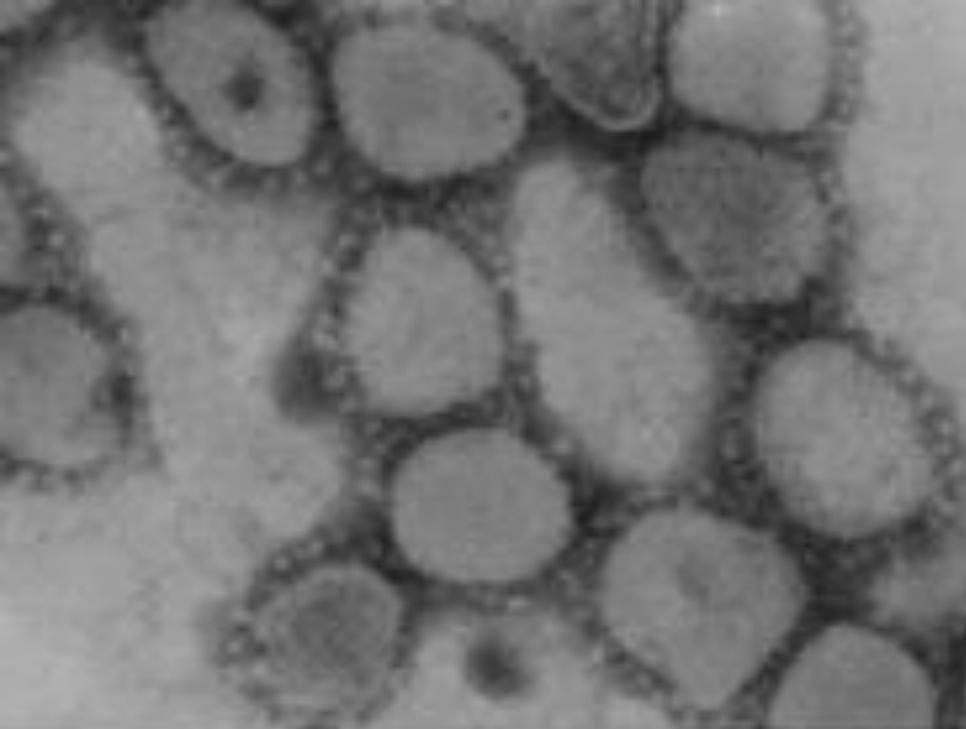
Influenza virus



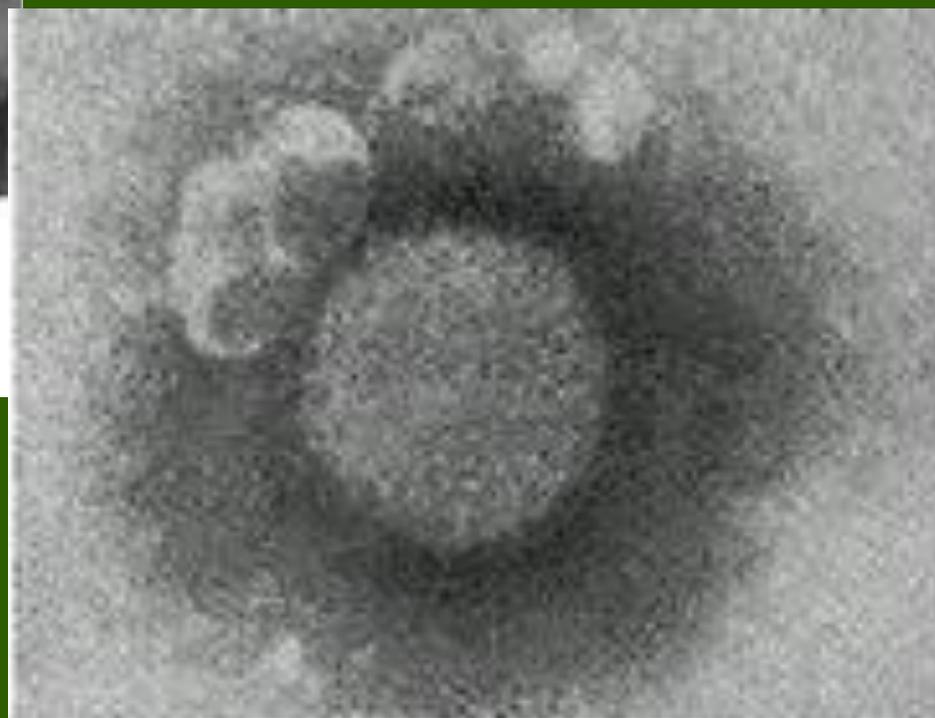
Picornavirus (polio)



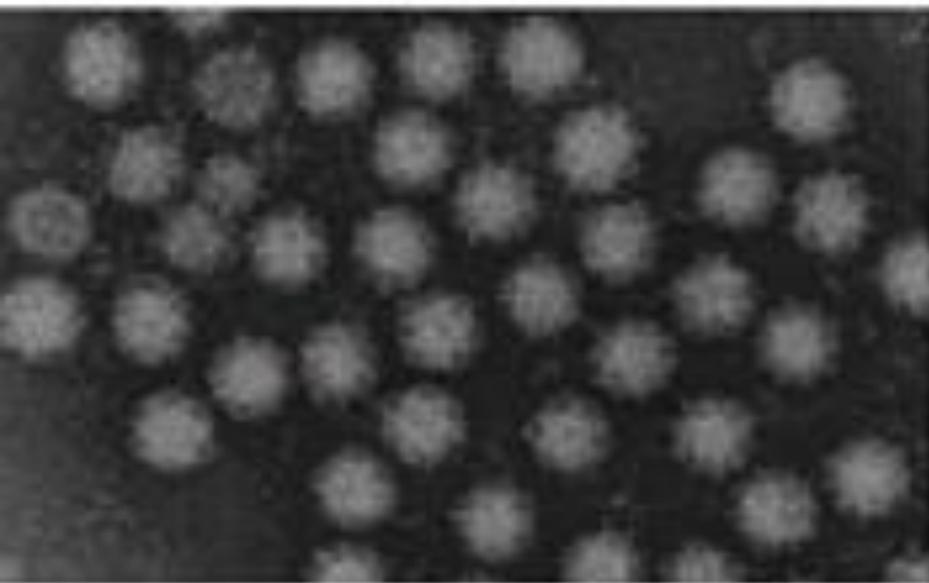




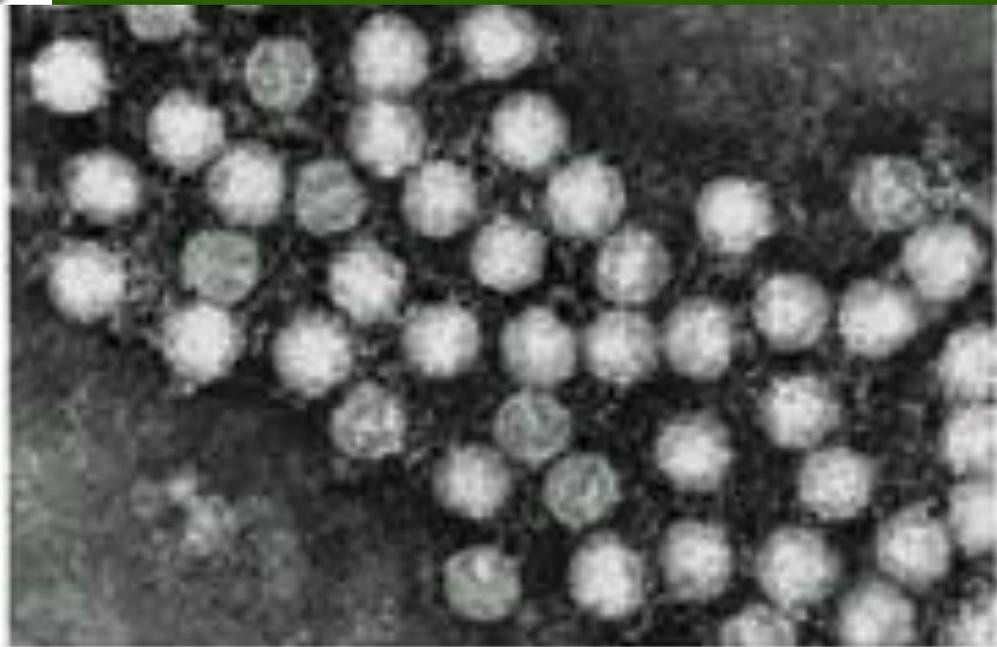
Coronaviridae (NS+)



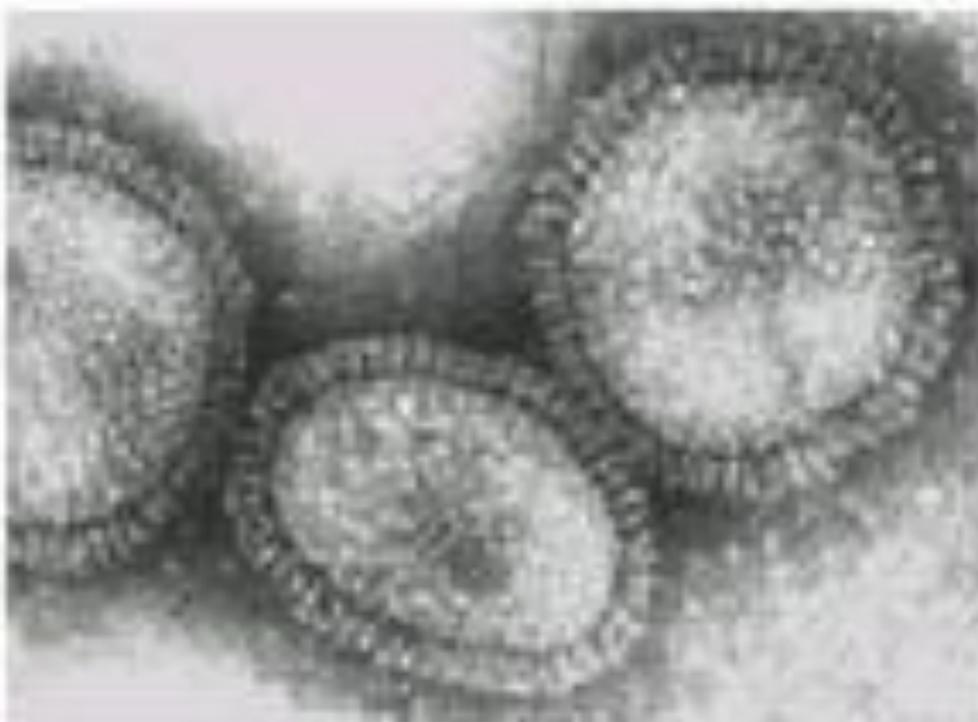
Arenaviridae (S, ambi)



Calciviridae (NS+)



Picornaviridae (NS+)



Orthomyxoviridae (S-)



Filoviridae (NS-)

РНК, ДНК

ВИРУСЫ

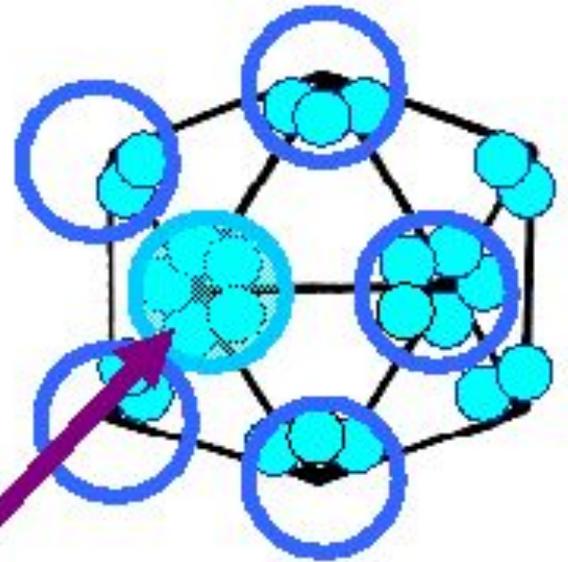
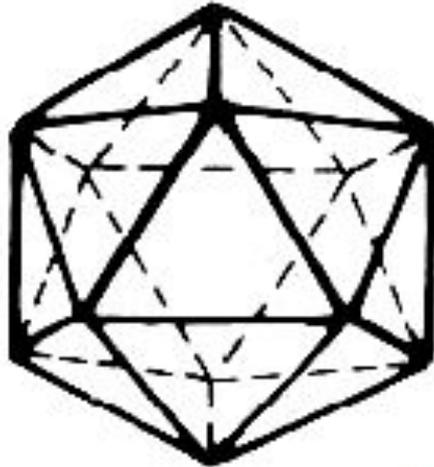
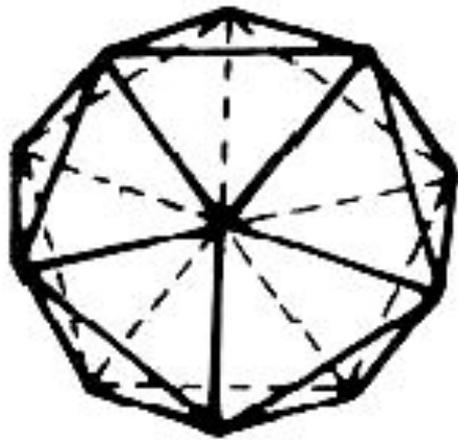
ОДНОНИТЧАТАЯ

**ДВУНИТЧАТА
Я**

**НЕПРЕРЫВНАЯ,
ФРАГМЕНТИРОВАННАЯ**

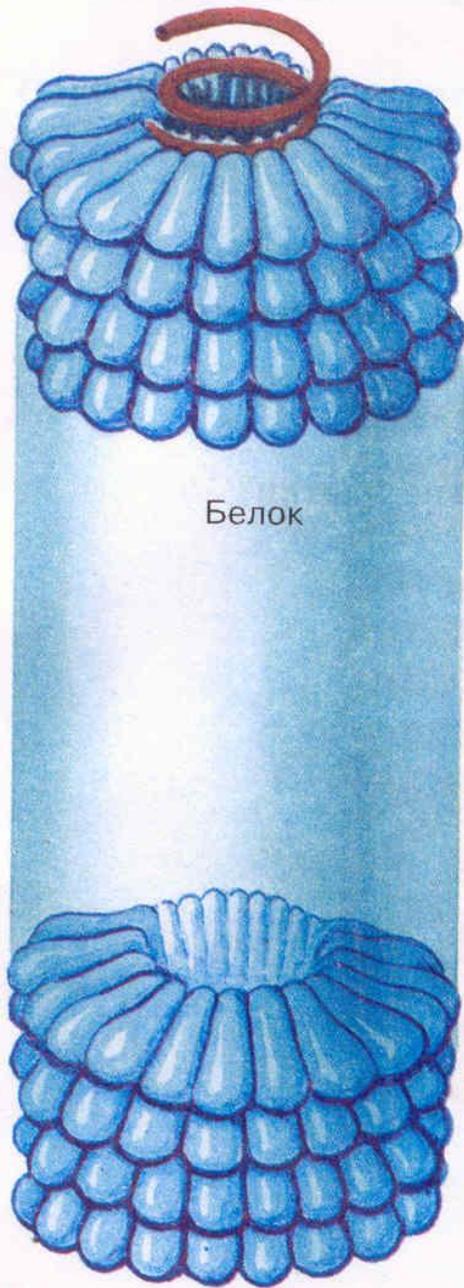
**ЛИНЕЙНАЯ,
КОЛЬЦЕВАЯ**

ICOSAHEDRAL SYMMETRY



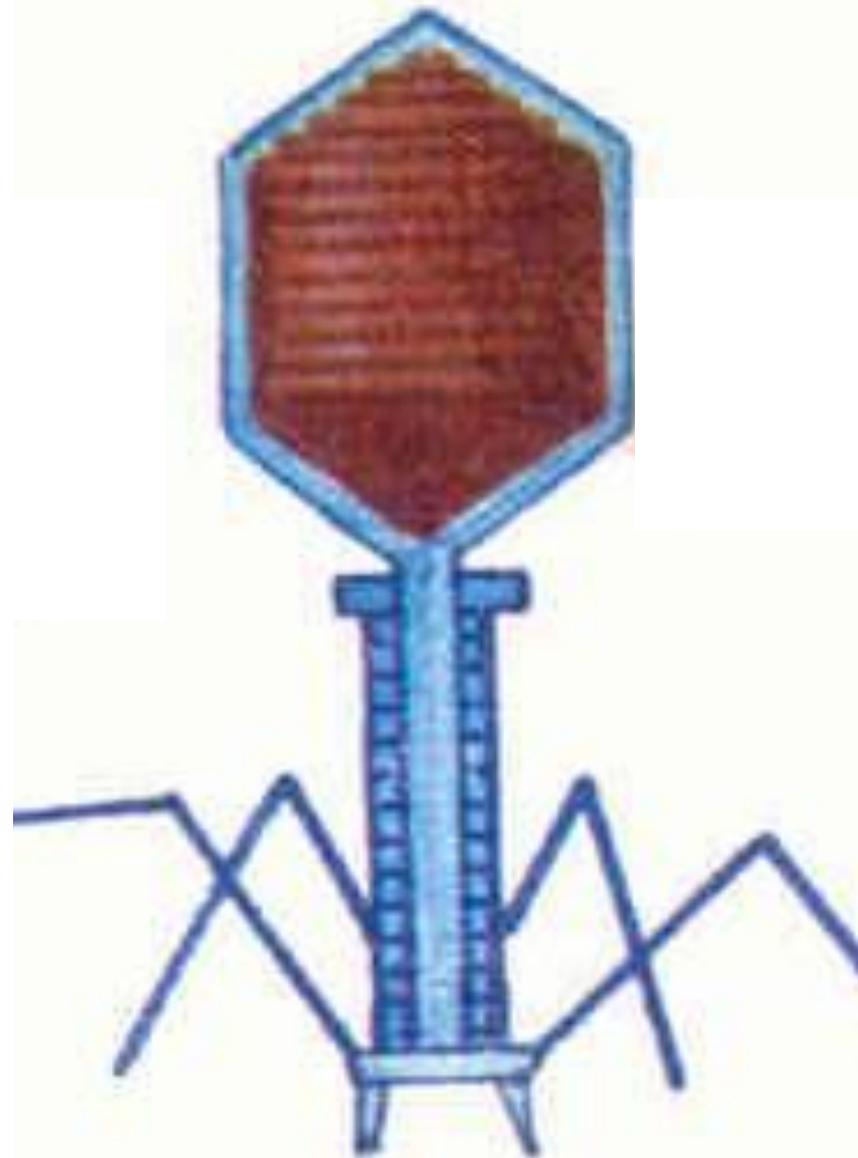
CAPSOMER

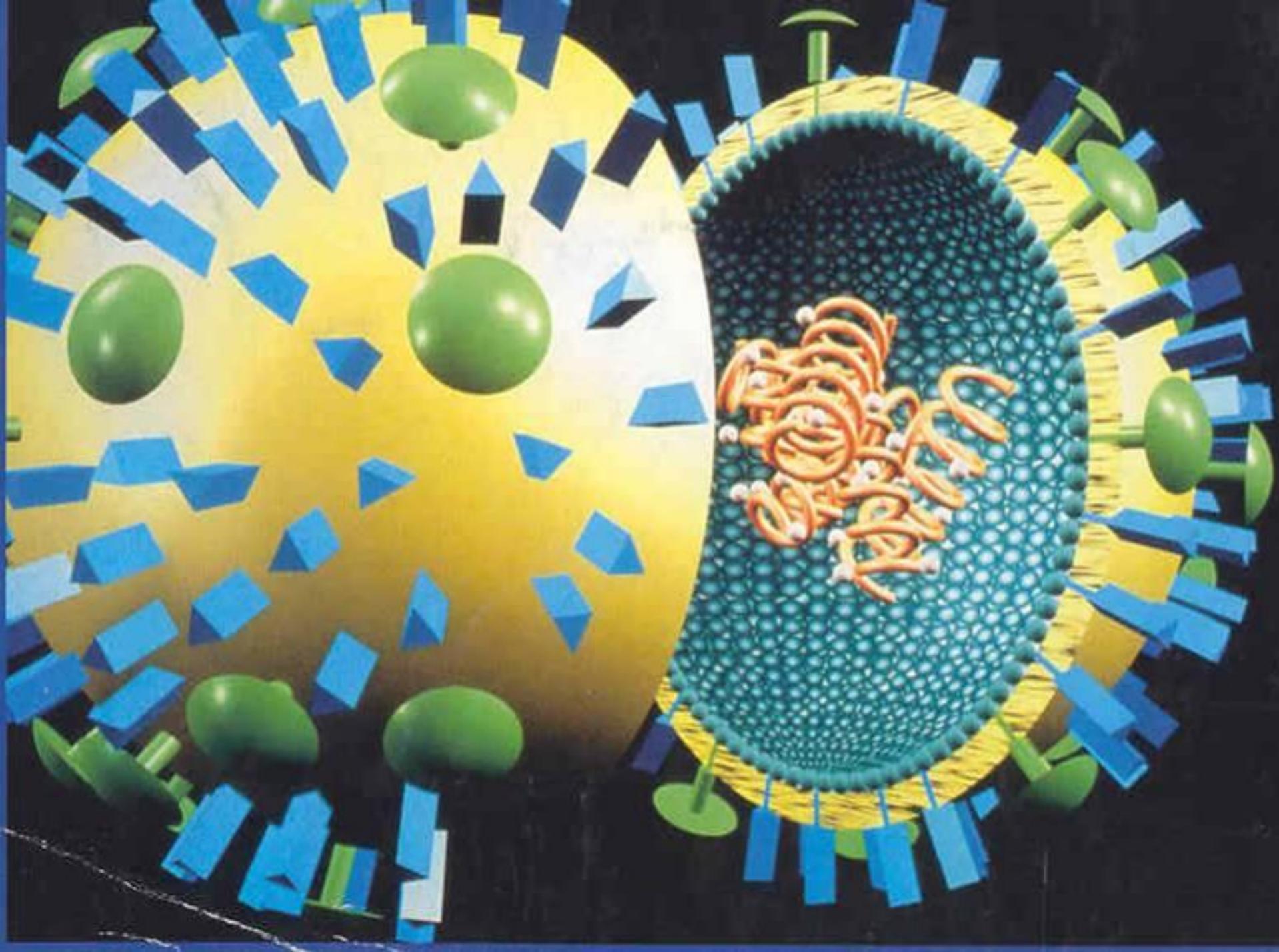
= PENTON (pentamer)

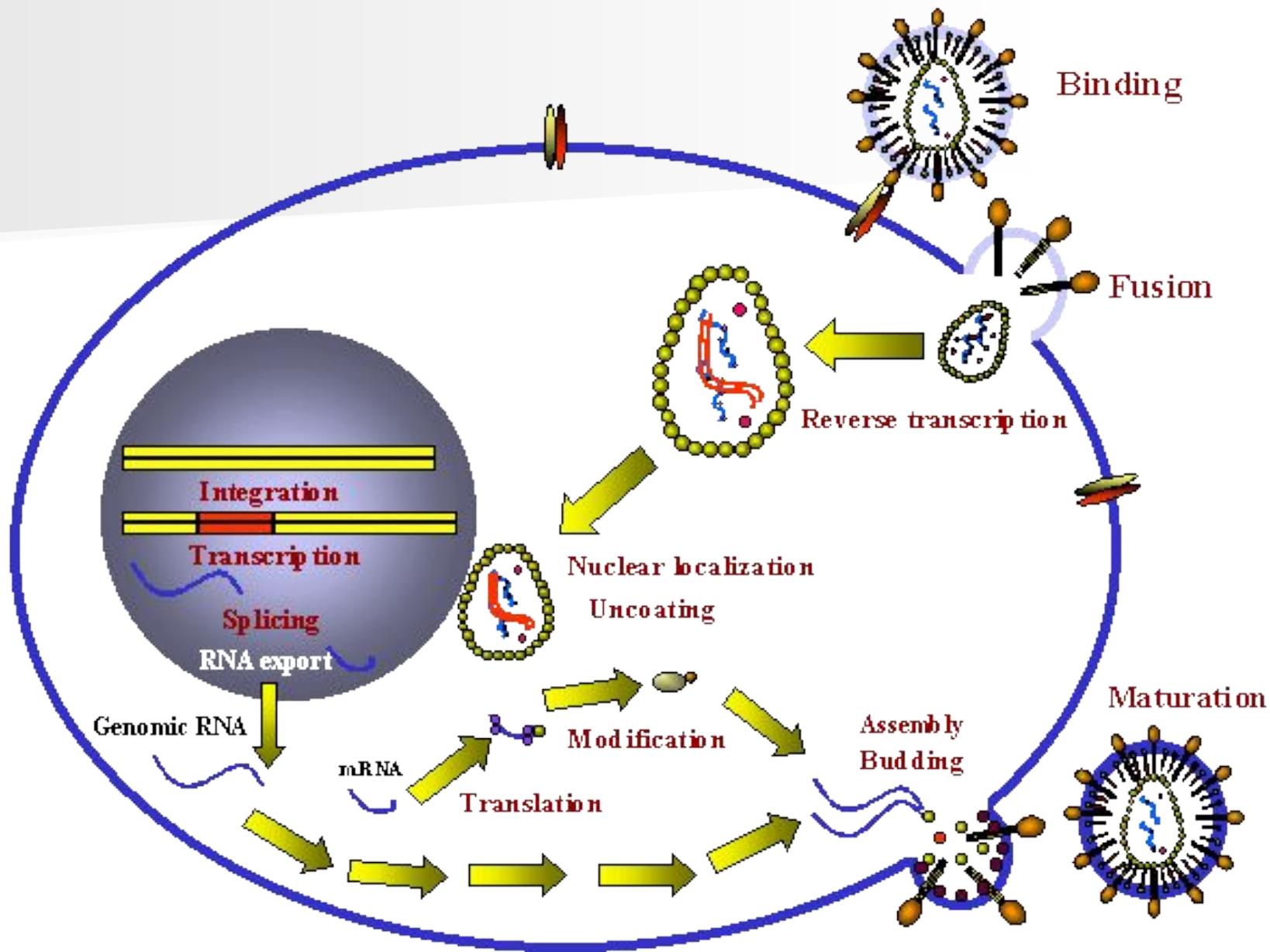


Белок

Вирус табачной мозаики







Стратегия вирусного генома

■ ДНК → иРНК → белок

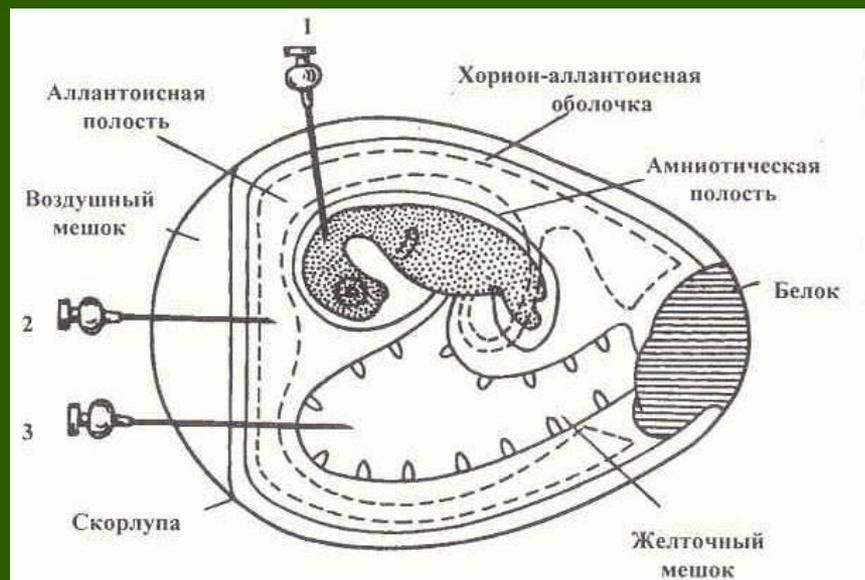
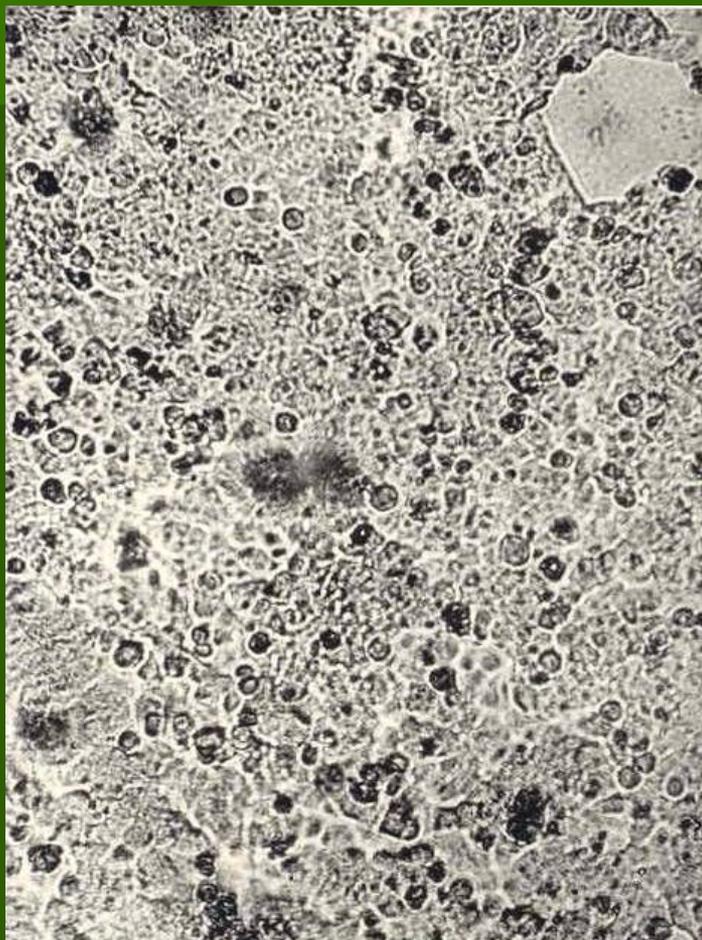
■ РНК (-) → иРНК → белок

■ РНК (+) → белок

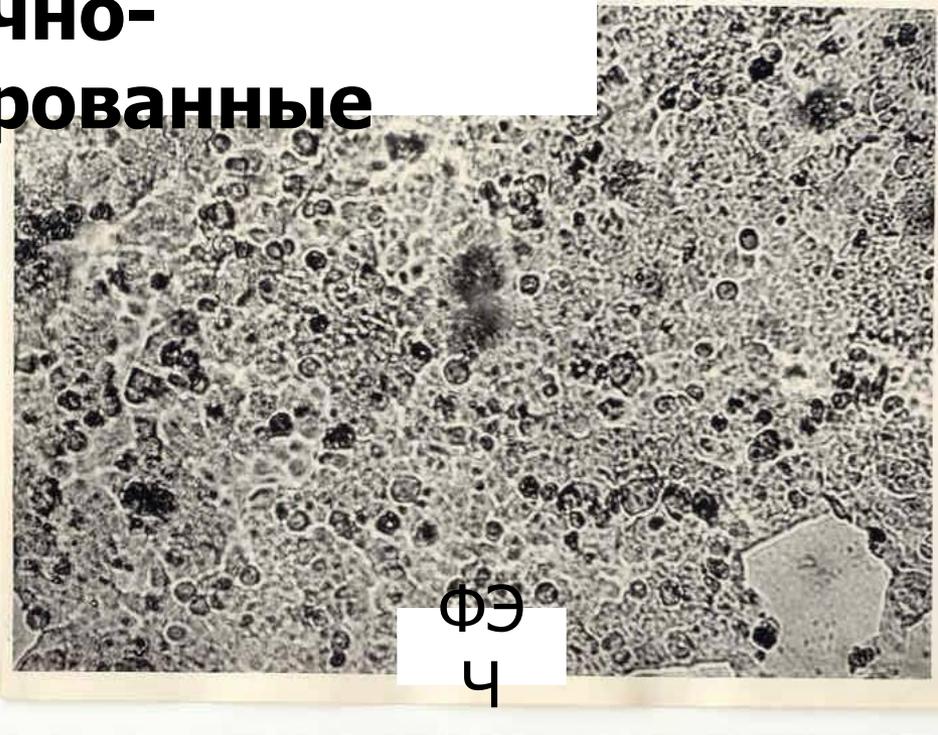
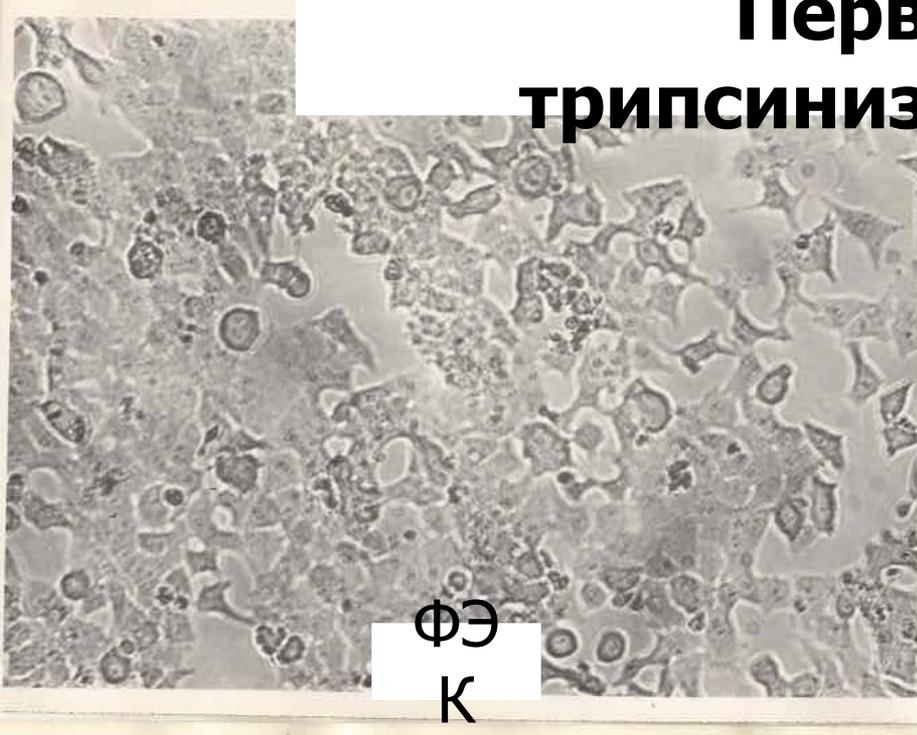
■ РНК → ДНК → иРНК → белок

↑
обратная транскрипция

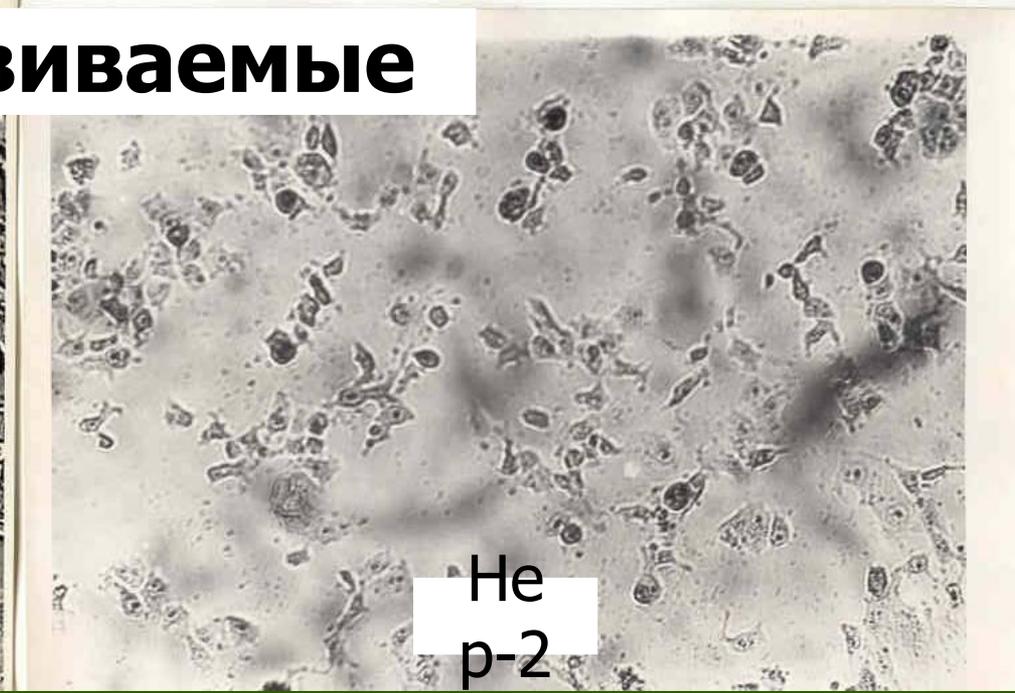
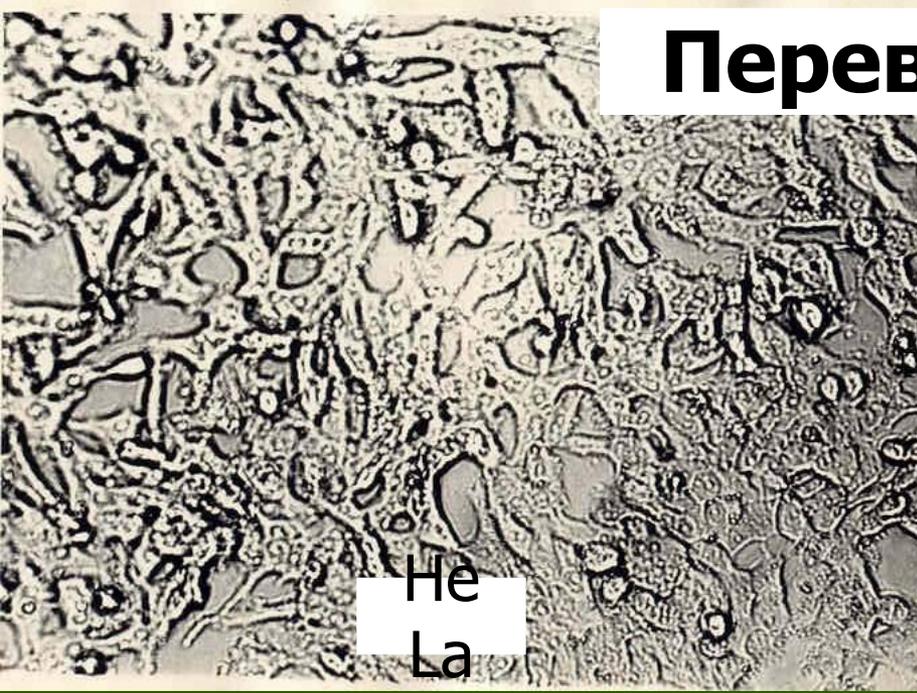
Методы культивирования вирусов



Первично-трипсинизированные



Перевиваемые



Гибель бактериальной клетки,
выход новых вирусов
в окружающую среду

Бактериофаг
до присоединения
к бактериальной
клетке

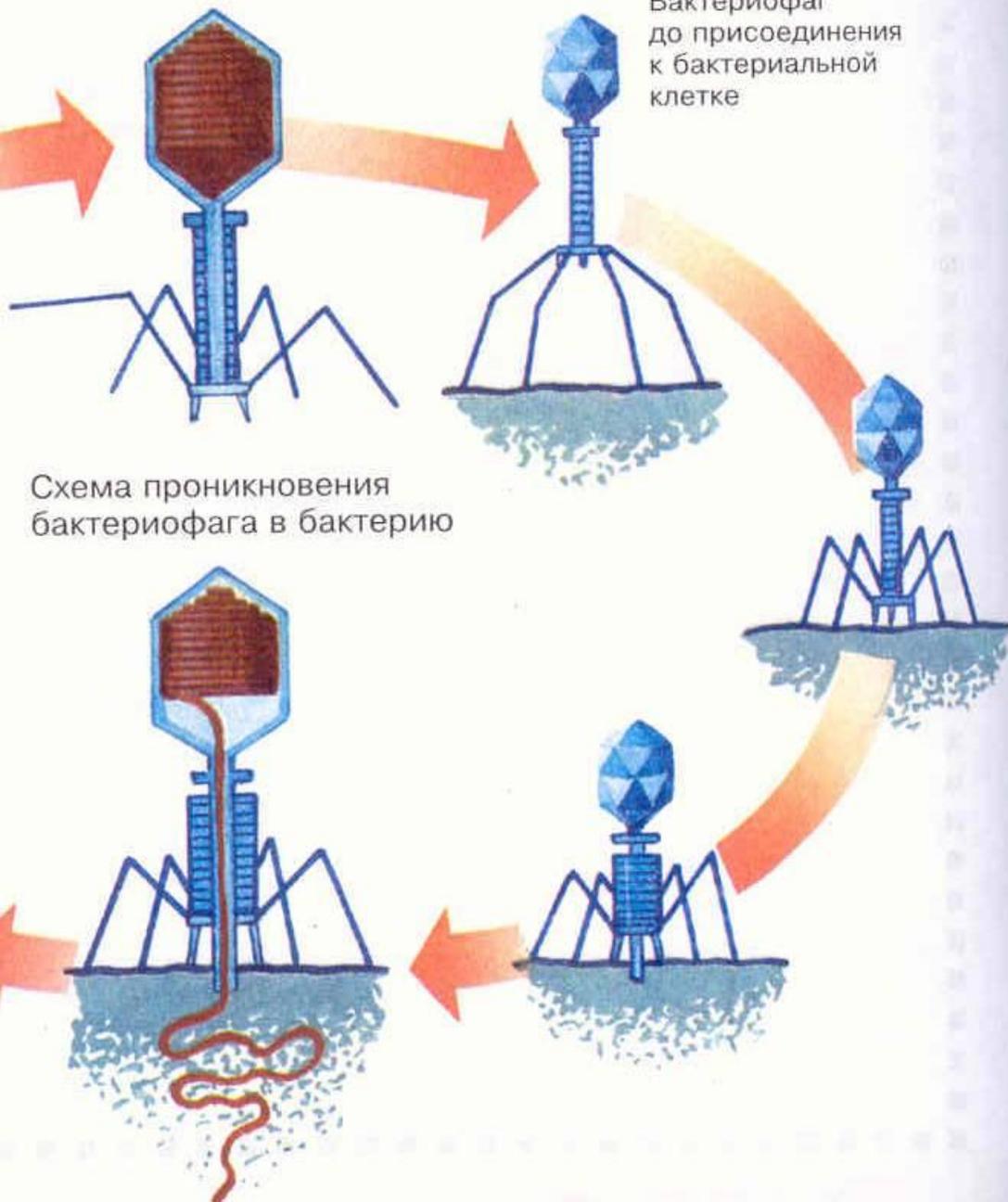
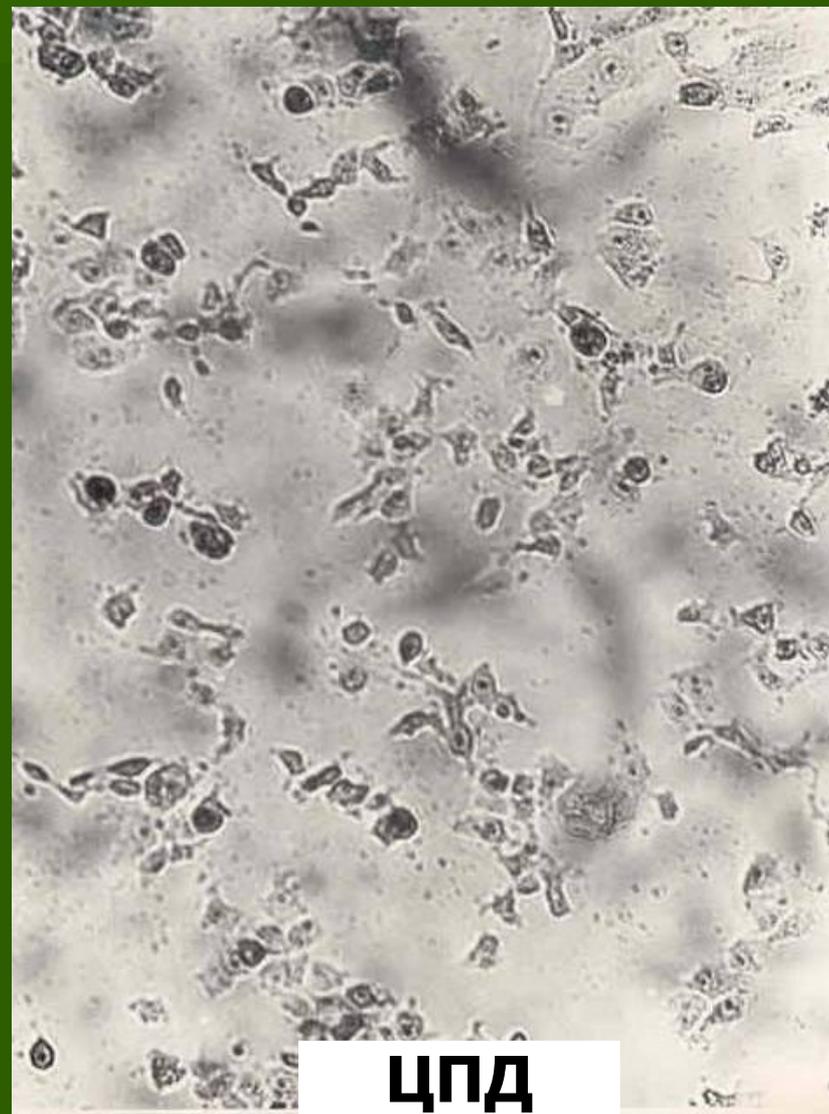
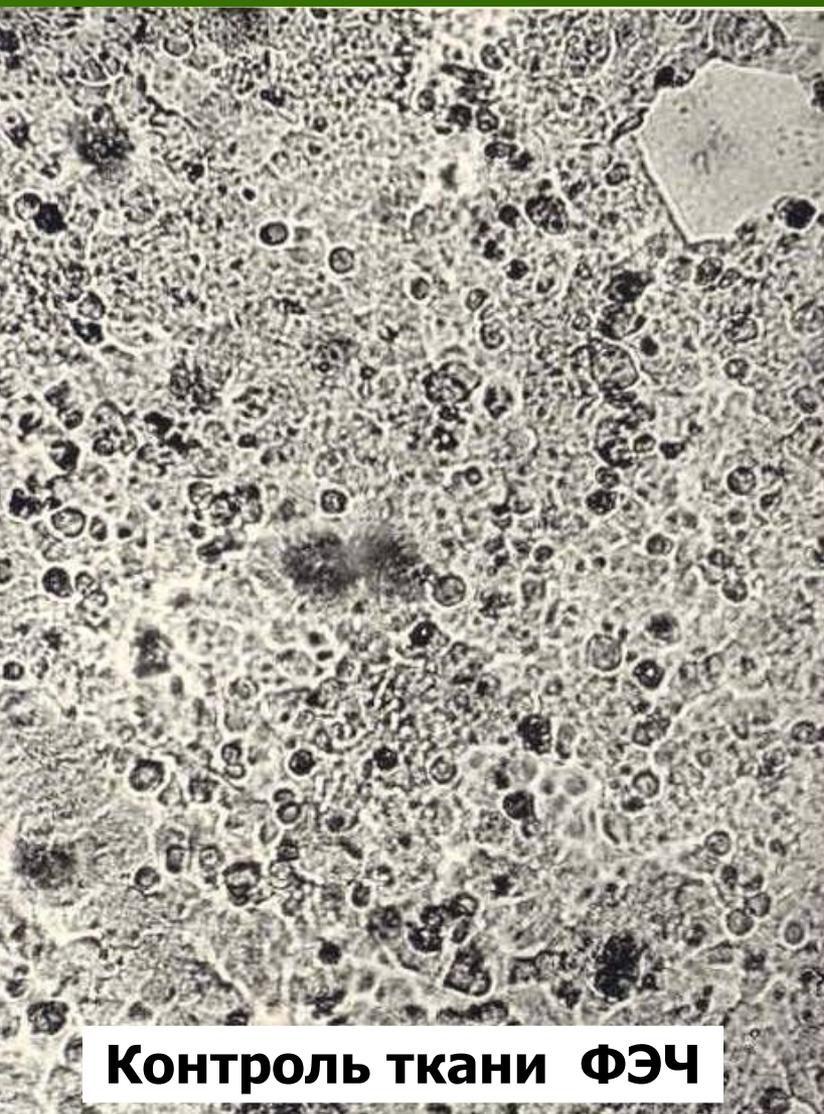


Схема проникновения
бактериофага в бактерию

Образование
новых
бактериофагов

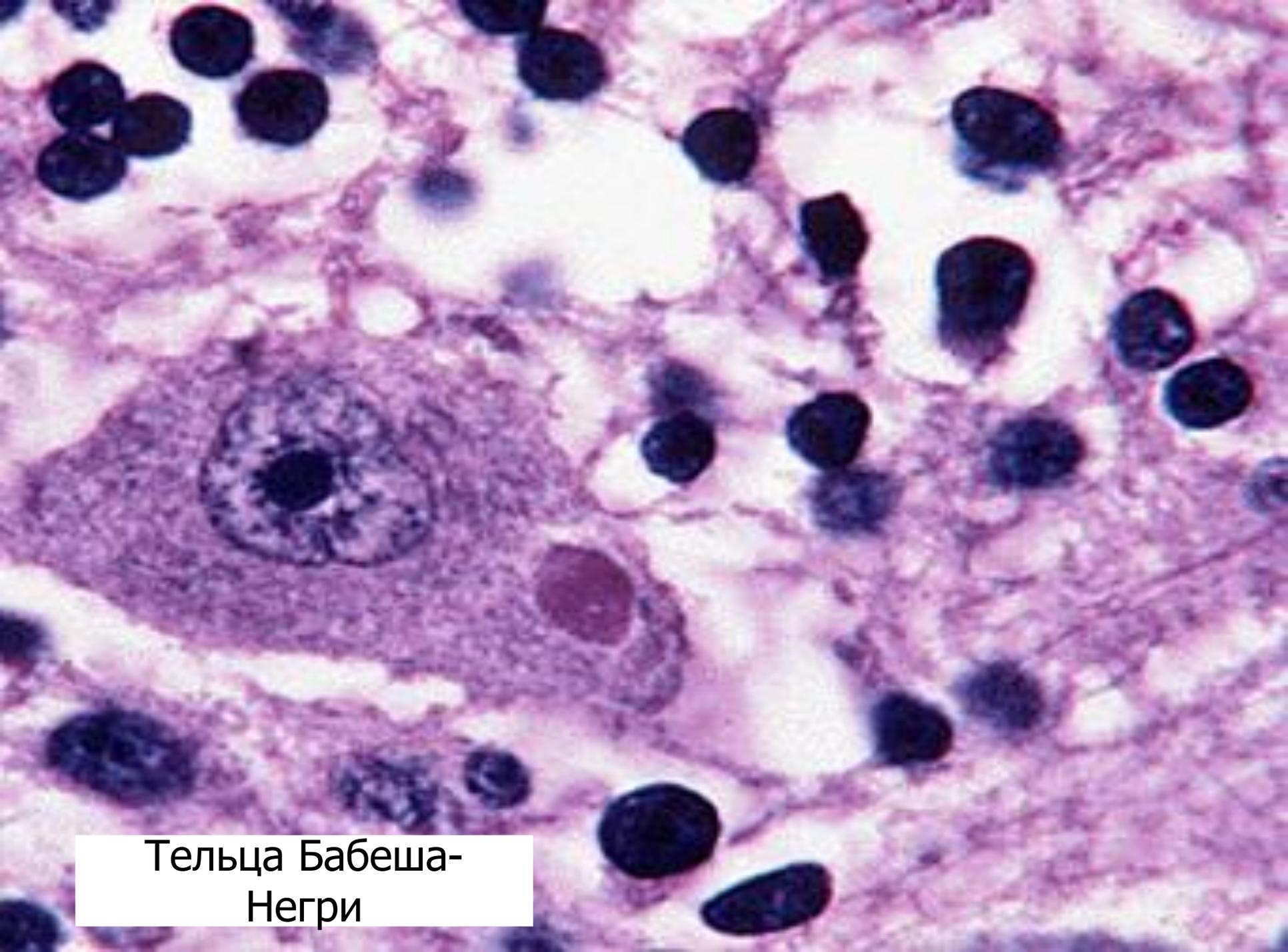
Бактериофаг, выделяющий
свою ДНК в клетку бактерии

ИНДИКАЦИЯ ВИРУСА ПО ЦПД



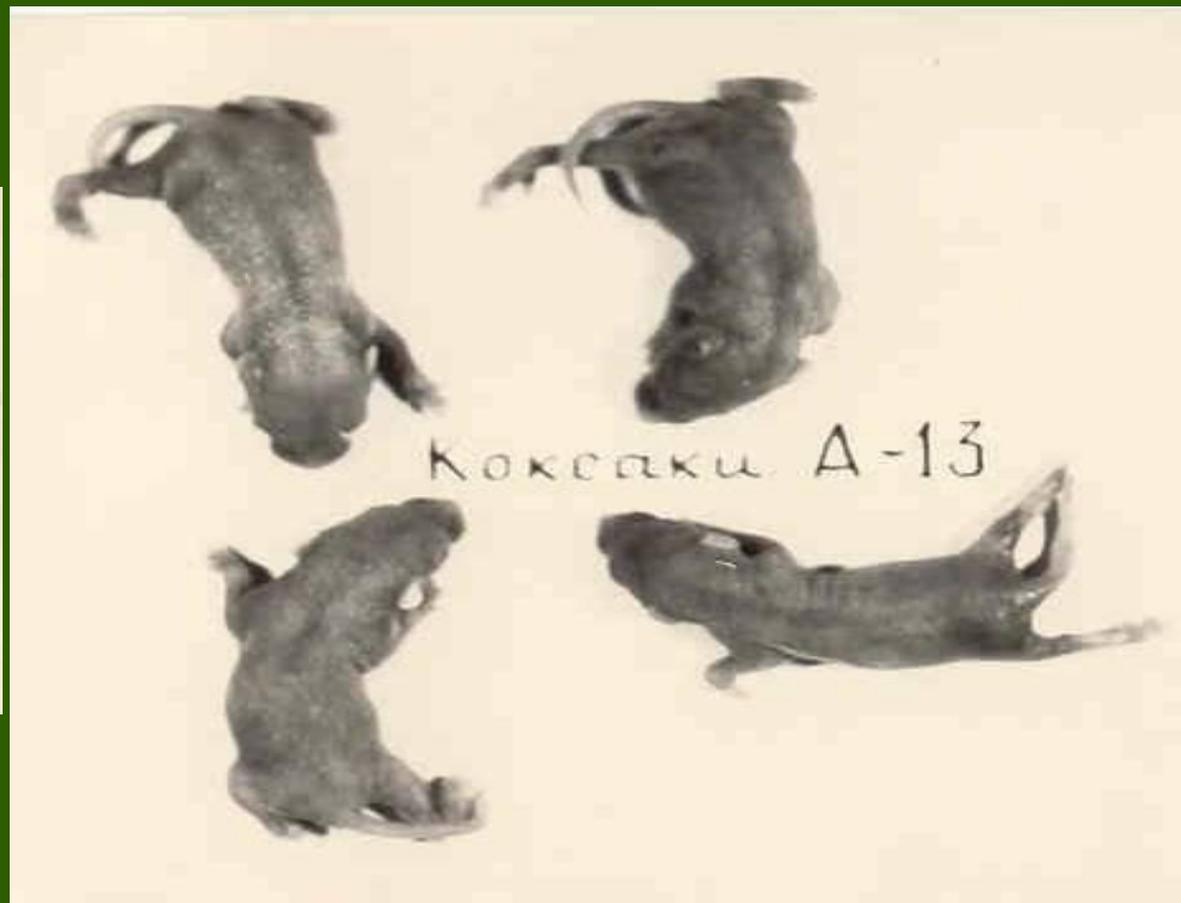
Бляшки под агаром





Тельца Бабеша-
Негри

ПРОЯВЛЕНИЕ ИНФЕКЦИИ У ЖИВОТНЫХ



Гемагглютинация

