



Tikrit University
College of Veterinary Medicine

Lect.10: Practical Virology

Subject name : Viral specimen storing
and processing

Subject year: Third-year

Lecturer name: Dr. Muthanna A. Sultan,
Assist. Lecturer. Mariam Ahmed Zedan
Academic Email:

muthanna.sultan@tu.edu.iq

mariamahmed@tu.edu.iq



SCAN ME

Lecturers link

What are the circumstances required for the samples that required viral culture ?

The samples can be placed in the refrigerator for NOT more than 48 hrs as the activity of the virus start to be decrease after this time which may lead to an improper diagnosis for the causative agent .

What should we do if the viral culture won't happened after 48 hours

If the samples can not be cultured after 48 hrs then the samples must be freezed on(-70) after the collection directly as that the temprature with (-20) will not be enough to keep the infectivity of the virus

What are the essential factors that must be needed for the viral cell culture ?

Two important factors that must be needed for successful culture , these factors are

- 1- Appropriate biosafety levels
- 2- appropriate cabinet

What are the most dangerous type of the virus that we should aware about during the culture?

Any type of viruses that considered very contagious through the airborne routes

How to deal with speciemens that can not be collected again ?
Such as tissues from surgery ?

This type of specimens should be transported under exceptional conditions as these samples has to be done immediately since that the comnection can NOT be happened again

Dr. Muthanna A. Sultan
Biomedical sciences-Immunology & Microbiology

