



Tikrit University
College of Veterinary Medicine

Lect.5. Practical Virology

Subject name : Equipment's required for cell culture

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Lecturers link

Equipment's required for cell culture

1- Cell culture hood :The hood is provided an aseptic work area as well as a clean environment which is free from airborne contaminations or dust .

2- Cell culture dishes: which is consider the main dish where the cells incubating and growing , the cell culture dishes is disposable rounded plates where then autoclaved directly after the processing of tissue culture ended and getting the results .

3-Incubator: The incubator provided a controlled environment for maintaining the cell culture represented by a temprature of 37 C and 5% CO₂ .

4- water bath: Which is used for thawing the freeze Animal sera and required also for mini other steps .

5-centrifuge: Which considered of routers with different sizes such as 15 ml tubes and 50 ml tubes.

6- Cell counter which is required for counting the cells and checking the viability during different stages of cell culture processing .

7- refrigerator :which is required for preserving different compounds that required a temprature of 2-8 C.

8- Freezer : Which is used for storaging the cells after adding Qiazol in order for extraction of nucleic acid for PCR purposes.

9-Autoclave: autoclaving the essential parts used during the cell culture product to prevent any contamination

10-Water purification system: Which is required during the processing of cell culture.



24 well plate +Pipettes and plates



CO2 Incubator

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