Smart Tips

Thermo Scientific Nunc
Cell Factory System.

FAQ

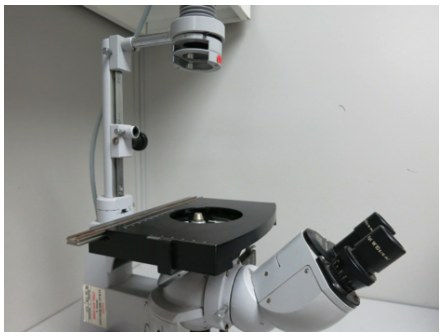
How do I visualize my cells in a Thermo Scientific Nunc Cell Factory System?

Multi-layered Thermo Scientific™ Nunc™ Cell Factory™ systems are a proven solution for the cultivation of adherent cells.

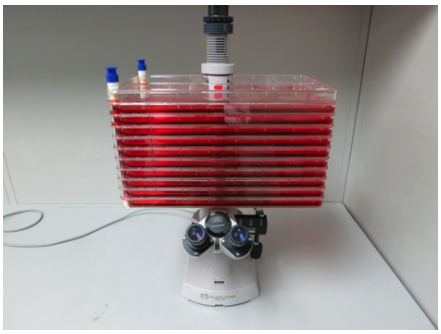
An inverted microscope is the perfect solution to monitor the condition of your culture.

To ensure success, the microscope must have a flat stage. When viewing larger formats such as a 10/13 or 40/52 layer, a removable light source is necessary.

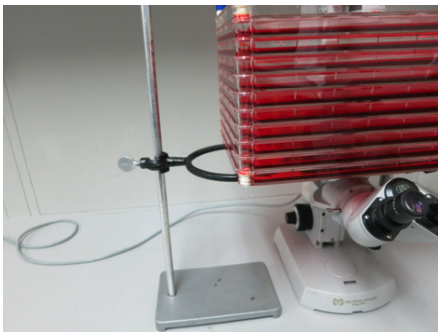
Process:



Begin by removing all stage accessories to provide a flat surface for the Cell Factory system to rest upon. If additional space is required, remove the light source.



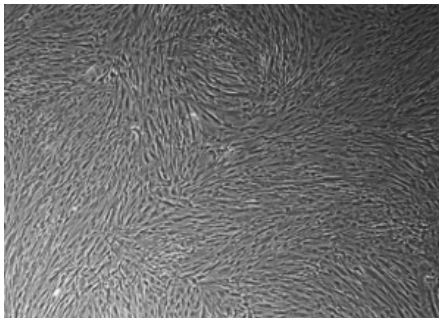
Place the Cell Factory system on the stage with the desired location to be visualized over the objective lens. If necessary, replace the light source or place an alternative light source above the Cell Factory system.



If the microscope stage is not capable of supporting the weight of the Cell Factory system, it is advisable to use an adjustable stand to carry some of the weight of the Cell Factory system.

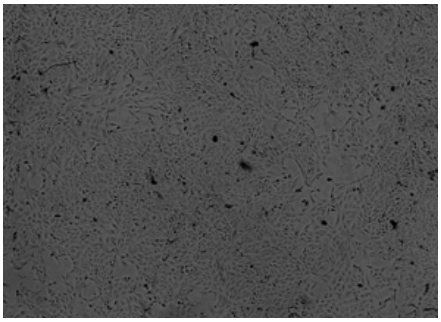
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Photographs of cells cultured in a Cell Factory System viewed with an inverted microscope.



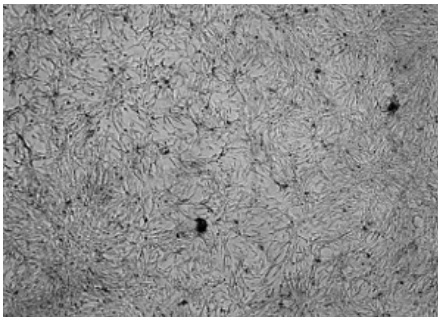
95% confluent MRC-5 cells

MRC-5 cells are a human diploid cell line commonly used in the manufacturing of vaccines such as Hepatitis A, rubella, varicella and rabies.



80-90% confluent VERO cells

VERO cells are derived from the kidney of an African green monkey and are commonly used for the production of rotavirus, smallpox and inactivated poliovirus.



60-70% confluent CEF (Chicken Embryo Fibroblast)

CEF's are primary cells used in the production of vaccines such as measles, mumps, rabies and influenza. It is also commonly used in the manufacturing of avian vaccines.

www.thermoscientific.com/cellfactory

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