

Application Focus

Streamline primary cell culture suspension processing by using Flowmi™ Cell Strainers

Challenge:

Gravity filtration can be timely and cause sample loss

Application:

Primary cell culture

In primary cell culture, time is of the essence. Slow processing time can result in contamination, cell death and deficiencies in culture viability. This leads to decreased productivity and increased experimental costs, as the culture needs to be replaced.

Example: Currently, accepted practice by many researchers is to use a flask or conical tube in conjunction with a cell strainer to filter primary cells from organ tissue into a homogeneous suspension during extraction. This relies on gravity, which is slow, as well as pressure from a pestle, which potentially can damage cells. Researchers are continuously looking for improved methodologies that increase efficiency, yields, and results.



Solution:

Flowmi™ Cell Strainers
for 1000 Microliter Pipette Tips
VWR Catalog Number 10204-924

Flowmi™ Cell Strainers offer researchers a rapid way to isolate and clarify a homogeneous cellular suspension from tissues, with a filter size appropriate for mammalian cells. Simply load your primary cell culture sample in a P1000 pipette, add a 70 µm Flowmi™ filter to the tip of the pipette, and dispense the sample through Flowmi™. The use of the pipette allows for a more rapid and gentle filtration than by gravity alone, saving valuable lab time. Flowmi™ arrives already sterilized, which means that you can get right to work aiding in primary cell culture.

For more information visit:

vwr.com