



A breakthrough in adherent cell expansion

- Livit ACE

Livit ACE combines the best of CellRev's proprietary processing technologies with Getinge's bioprocessing expertise and equipment into one integrated cell manufacturing solution.

The Livit ACE offers:

- Significantly reduced COGS
- Reduced development timelines and costs
- Reduced capital cost and footprint requirement through improved productivity
- Scalable with improved product reproducibility
- Elimination of the need to adapt naturally adherent cells
- Cost-effective integration of a transferable upstream process

Continuous bioprocessing with Livit ACE

Livit ACE is a complete package providing a novel bioprocessing solution. It is a cost-effective alternative to expensive process development and complex technology selection.

The Livit ACE solution offering includes standard application development, equipment, technology transfer, commissioning and training.

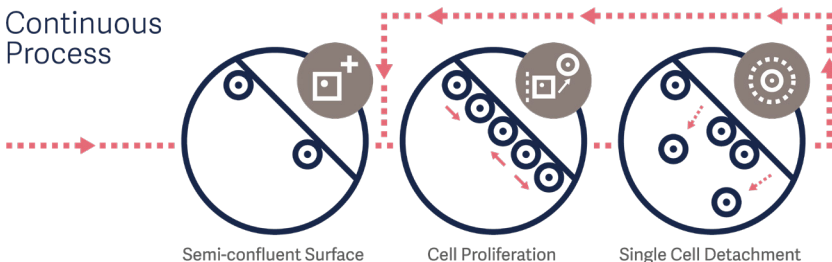
Cell Growth

Cells are seeded and grown in the bioreactor as per any other cell culture process. The target confluence is established during customer trial work.

Cell Detachment

CellRev's proprietary reagent Continuase™ is added to the culture at a predefined concentration to trigger the release of cells to facilitate further expansion. This patented method enables the controlled detachment of adherent cells from a variety of surfaces. The rate of cell detachment is maintained equal to growth rate to allow steady state operation at high cell densities.

Continuous Process



Continuous processing can

- Eliminate manual handling and human error
- Increase quality assurance through online monitoring and control
- Reduce manufacturing time and increase efficiency
- Reduce capital costs by using smaller equipment and less manufacturing space
- Respond efficiently in the event of a supply shortage



Continuase™

Cell Collection

Cells are collected continuously for cell banking or downstream processing. This reduces the need for large scale batch harvesting and facilitates optimal downstream design.

Applications

- Cell-based vaccines
- Cell therapies
- Cellular agriculture
- Continuous cultivation
- Process intensification

Let's connect for more information

Want to know if the Livit ACE can improve your process?
Scan the QR code.

