

Online advanced cell therapy technology (CELLT1)

Fast Trak

Training and education

Course description

This program consists of eight online sessions, which can be completed on demand, for access when and where it's convenient. It is intended to provide virtual classroom instruction within cell therapy processes and cell manufacturing, under good manufacturing practice (GMP) procedures. Divided into upstream, cell expansion, and downstream applications, the course will provide beginning-to-end technical knowledge. It will also walk the learner through typical workflow steps within cell therapy manufacturing, covering items such as: cell isolation, expansion, harvesting, and cryopreservation. In addition, the course will describe how automation platforms (such as Chronicle™ software) and a closed system are helpful in making reproducible and efficacious therapies. The course will also give guidance on standard operating procedures (SOP) development, as well as other documentation needs.

Who should attend?

This training course will be useful for research and development scientists, process engineers, and manufacturing technicians. A basic understanding of cell culture and corresponding techniques is required.

After the course, you will be able to:

- Apply theoretical process knowledge to upstream, cell expansion, and downstream cell therapy applications
- Identify bottlenecks and troubleshoot your specific processes
- Perform industry-standard techniques related to cell therapy manufacturing, with an emphasis on T cell processes
- Implement strategies used for process optimization and evaluation



Course details

- Overview of cell therapy workflows and cell types
- Tube welding and aseptic fluid transfer
- Cell counting
- Isolation technologies
- Transduction and vectors
- Activation process and technologies
- Cell culture media development and design
- Cell expansion and perfusion applications
- Harvesting platforms
- Final formulation and cryopreservation
- Scale-up and scale-out
- SOP development
- Process evaluation and optimization
- Documentation, automation, and digitization

Training center

Virtual

Pricing

No Charge

General course information

Fast Trak™ training and education is one means by which Cytiva provides application training in the various aspects of cell and gene therapy.

The courses are designed to provide a learning experience for process development and manufacturing staff.

Virtual training courses cover topics such as: overview of cell therapy, welding, cell counting, isolation technologies, cell types and immunology, affinity cell isolation, transduction, viral vectors, cell culture, expansion, perfusion, UNICORN™ software, harvesting, final formulation and cryopreservation, documentation, digitization, and automation.

Course certificate

Each participant that completes the course will receive a certificate with the course name and completion date.

Learn more about Fast Trak training and education at cytiva.com/education

cytiva.com/cgtmanufacturing

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