Fast Trak™ training and education

CELLT1

세포치료제 생산 기술 집중 과정

기간: 3일

코스 소개

Fast Trak CELLT1 코스에서는 GMP 절차에 따른 세포치료제 공정 개발에 필요한 기술 및 생산 절차를 다룹니다. 실습 과정에서는 면역세포 분리, 배양, 회수, 및 제형 공정 수행 시 실제 산업에서 이용하는 장비 및 시약을 활용함으로써 공정 전반에 대한 이해도를 높입니다.

코스 일정

- 날짜: 2023년 11월 7일 - 9일
- 장소: Cytiva APAC Fast Trak 센터
- 주소: 인천광역시 연수구 송도미래로 9 BRC 2동 2층
- 식사: 점심식사 제공

수강 대상

R&D 연구원, 프로세스 엔지니어, 제조 기술자

등록 방법

APAC Fast Trak 웹사이트를 통해 직접 등록 또는 담당 Cytiva 영업사원에게 문의 주시기 바랍니다.

코스 금액 (2023년 기준)

Fast Trak Center	List Price	Product Code
Korea, Songdo	4,600,000 (KRW)	29300623

강의 내용

- 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

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Fast Trak™ training and education

CELLT1 In-person course

Advanced cell therapy technology

Duration: 3 days

Course description

This course provides both classroom and laboratory instruction within cell therapy processes and cell manufacturing under good manufacturing practice (GMP) procedures. Divided into upstream, cell expansion, and downstream applications, practical laboratory sessions will provide beginning-to-end technical knowledge and training on industry standard equipment and reagents. Guidance to Standard Operating Procedures (SOP) development will also be discussed. Templates for SOPs are provided upon request.

Some instances of this course are presented in collaboration with the National Institute for Bioprocessing Research and Training (NIBRT), a global center of excellence for training and research in bioprocessing. NIBRT is located in a world-class facility in Dublin, Ireland.

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 for this course.

After the course, you will be able to:

- Apply detailed theoretical cell therapy process knowledge to upstream, cell expansion, and downstream 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

Topics covered

- 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
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- SOP development
- Process evaluation and optimization

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General course information

Fast Trak™ Education is one means by which Cytiva provides application training in the various aspects of bioprocessing.

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

There are hands-on training courses on column packing, basic chromatography, optimization and scale-up for both pilot and production scales. Courses on validation issues and chromatography theory are also given. The courses are run at our regional Fast Trak centers or customized at your premises.

Cancellation policy

In case you need to cancel your registration, the following charges will apply:

- 30 to 21 days prior to course: 50% of course fee
- 20 to 8 days prior to course: 80% of course fee
- 7 days or less prior to course: 100% of course fee

If you are unable to attend after registered, you may send a colleague in your place or attend another course.

Cytiva reserves the right to modify course location, course material, substitute speakers, or to cancel the course. If the course is cancelled, registrants will be notified as soon as possible and will receive a full refund of paid fees. Cytiva will not be responsible for airfare penalties or other costs incurred due to a course cancellation.

Course certificate

Upon completion of the course, each participant receives a course certificate in which course name and course date is stated.

Course evaluation

At the end of each course, you will be asked to fill in a course evaluation form. We value your opinion of the course, the speakers, the material, and presentations and use this feedback to continuously improve the courses and their contents.

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