

Lymphocyte Propagation Laboratory (LPL)

Location: Froedtert Hospital Pavilion, third floor

Primary Contact:

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Overview

The Medical College of Wisconsin Cancer Center Lymphocyte Propagation Laboratory (LPL) is part of the Blood and Marrow Transplantation Program of the Medical College of Wisconsin. This laboratory provides cellular therapy product processing for human clinical trials. The laboratory primarily focuses on cellular therapy to improve the outcome of blood and marrow transplantation and the use of immunotherapy to combat human cancer.

The laboratory is CAP accredited, CLIA certified and is accredited by the Foundation for the Accreditation of Cellular Therapy (FACT) for the testing and processing activities that are performed.

Services include:

- Consultation during early and mid-phase development
- Identification of acceptable reagent and material sources
- Assistance to prepare for FDA pre-IND meeting
- Scale-up and/or transition to clinical grade product
- Assist with writing of the chemistry, manufacturing, and controls (CMC) section of IND Application
- Preparation of FDA compliant SOPs, workforms/batch records, and reports for product preparation and testing
- Assist with the selection and validation of assays to ensure product safety, purity, and potency during phase I and II.
- Production of products for clinical use and product storage
- Release testing
- Shipment to external sites
- Prep and delivery of products for infusion
- Post infusion immune monitoring with Flow Cytometry Shared Resource

Equipment/Software	Accessibility
CliniMACS Cell Separation Device X 2	Facility technicians use on behalf of investigators
CliniMACS Prodigy Cell Culture and Separation Device	Facility technicians use on behalf of investigators
BD Canto II Flow Cytometer	Facility technicians use on behalf of investigators
Top Count	Use is available only after training
LN2 Controlled Rate Freezers and Storage Tanks	Use is available only after training
COBE 2991 Cell Washers x 2	Facility technicians use on behalf of investigators
Biological Safety Cabinets	Use is available only after training
Inverted and standard Microscopes	Use is available only after training
CO2 Incubators with HEPA Filtration	Use is available only after training
Sterile Connecting Devices and tubing sealers	Use is available only after training
Table Top and Floor Model Centrifuges X 4	Use is available only after training

Hours: Monday - Friday 7:30 am-5:00 pm

Common users of the facility: Departments of Medicine and Pediatrics

Rate: Pre-clinical consultation is performed at no-charge to the investigator. Costs of pre-clinical scale up and clinical production of products and patient monitoring studies are the responsibility of the investigator. This includes staff if over the capacity of current staff.