

Additional Core Services at ADI:

Molecular Biology: MBioCore

- Access to a wide suite of analytical and sample prep instrumentation
- Nucleic acid isolation, gene expression and recombinant proteins

Contact: Kuni Suzuki (780) 492-8396

Histology: HistoCore

- Paraffin processing and embedding
- Cryosectioning and staining
- IHC/IF

Contact: Sheena Lesyk (780) 492-0387

Animal Modelling: AnimalCore

- Animal transplant models
- Hormonal Assays

Contact: Gina Rayat (780) 492-6894

Cellular Imaging Centre: (Operated by FoMD)

- Spinning Disk Confocal Microscope
- LED Imaging, optical sectioning
- Microdissection

Contact: Greg Plummer (780) 492-3945

www.adi.ualberta.ca/coreservices

ImmunoCore

5-004 Li Ka Shing Building, 8700 112th Street, U of A Campus, Edmonton, AB

T: (780) 492-6036

Contact: Colin Anderson

E: colinand@ualberta.ca

ImmunoCore

For further information on
ImmunoCore (Immunology Core)
at ADI contact:

Dr. Colin Anderson, Core Director
5-002B Li Ka Shing Centre for Health
Research Innovation
University of Alberta
Edmonton, AB T6G 2E1
Ph: (780) 492-6036



Alberta Diabetes
INSTITUTE



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*Leading the world in the
prevention, treatment
and cure of diabetes.*

ImmunoCore online:

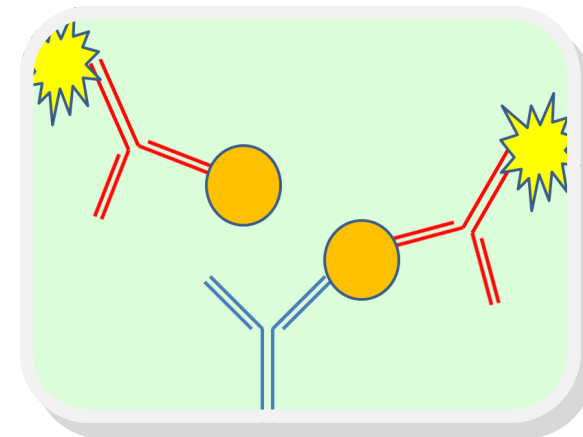
[www.adi.ualberta.ca/
coreservices/immuncore](http://www.adi.ualberta.ca/coreservices/immuncore)



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*Core Services:
Immunology*

ImmunoCore



5-004

Li Ka Shing Centre
for Health Innovation

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University of Alberta Campus

Edmonton, AB

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ImmunoCore is a campus-based fee-for-service lab that offers efficient and comprehensive services related to immunology studies including cell sorting, radiolabelling and protein analysis. Experienced technical staff can process samples for you or users can be trained on a wide range of instru-



mentation for self-directed use. Also take advantage of antibody procurement services at ImmunoCore.

Services

(\$60/hr with full technical assistance (materials extra). See next page for unassisted instrumentation use)

Cell Sorting

Using BD Influx Cytopeia (5 laser, 13 color)

Flow Cytometry

BD LSRII (5 laser, 15 color)

BD FACS Calibur (3 laser, 4 color)

Cytokine Analysis

Luminex multiplex protein analyzer

Cell/Small Animal irradiation

Gammacell 3000 cesium irradiator, for donor T-lymphocyte killing

Radioactive Cell Proliferation: Using ³H thymidine tracer and Tomtec cell harvester

Antibody Biobar

Antibody Biobar

Procurement of wide range of monoclonal and polyclonal antibodies (inquire for pricing)

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Instrumentation Use (unassisted)

Flow Cytometry

BD LSRII (5 laser, 15 color) \$30/hr

BD FACS Calibur (3 laser, 4 color) \$25/hr

(note: BD Influx/Cytopeia not available for self-directed use)

Irradiation

Gammacell 3000 irradiator \$10/use

Tomtec cell harvester \$3/plate

PE MicroBeta LSC 12 detector \$20/hr

Protein Analysis

Luminex multiplex \$5/plate

Training on above instrumentation is available and is mandatory for first-time users. Contact Colin Anderson to arrange for training.

www.adi.ualberta.ca/coreservices/immunocore

*** See "Instructions for accessing ImmunoCore and using equipment" ***

Technical Assistance

Technical training for instrumentation self-use as well as assistance on procedures and method development from highly qualified staff is available at a rate of \$50 per hour.



Instructions for accessing ImmunoCore and using equipment:

- Training on equipment is mandatory for first-time users. Contact Colin Anderson to arrange for training
- Radiation safety training is mandatory for access to irradiation equipment. Contact Environmental Health and Safety for more information (<http://www.ehs.ualberta.ca/Training/Radiation.aspx>).
- ImmunoCore is located in a card-access secure area (5-004, Li Ka Shing Bldg). Clients requiring access to the Core on a regular basis can arrange to have card access granted
- For self-directed use of instrumentation, users must log their on/off time using forms provided - advance booking is advised. ImmunoCore will eventually transition to an online booking and logging system
- Instruments must be free of debris, spills or damage following use. Costs associated with cleaning or repairing instruments will be charged back to the user
- Regular hours for ImmunoCore access: 0900 – 16:00 Monday through Friday

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