

Regenerative Medicine Core

Location: MCW BSB 414

Other Contact:

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[Regenerative Medicine website](#)

Overview

The Regenerative Medicine Core seeks to encourage stem cell research at MCW by offering a laboratory (a) to guarantee the availability of ES cells that retain a normal karyotype and full pluripotency, (b) to maintain, characterize and transgenically manipulate human embryonic stem (ES) cells for investigational purposes, and (c) to offer training to investigators so that they can transfer the technologies to their own laboratories.

Equipment/Software	Accessibility
3 normoxic and 3 hypoxic (4% O2) cell culture incubators (5% CO2)	Use is available only after training
5 tissue culture laminar flow hoods (Class 2 Type A, and A2 for lentivirus)	Use is available only after training
Nikon TMZ microscope for general use	Use is available only after training
PCR enclosure with Nikon SMZ800 stereomicroscope for manually selecting (scratching) pluripotent colonies	Use is available only after training
Nikon eclipse TE300 microscope configured for fluorescent imaging	Use is available only after training
BTX electroporation system	Use is available only after training
Amaya Nucleofector II	Use is available only after training
Applied Biosystems StepOne Plus RT-PCR System	Use is available only after training
Applied Biosystems ProFlex PCR System	Use is available only after training

SPOT imaging software ver 5.1.1	Use is available only after training
Environmental storage (limited)	Use is available only after training
Clinical (low speed) centrifuge	Use is available only after training

Hours: Monday - Friday 8:00 am-5:00 pm

Common users of the facility: serving MCW investigators

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