

Equipment Description	Capabilities	Principal Investigator/Control	Location	Lab Contact	Level of sharing: 1) Common equipment; 2) Shared on special request of PI; 3) Not shared	Notes
Updated March 5, 2018						
Shared Equipment in the Center for CF and Airways Disease Research						
Zeiss AxioVert fluorescence microscope	Camera, X-cite series 120, computer, GFP & dsred filter set	Center	McCarty lab, ECC 361F	Barry Imhoff	Common	Objectives: APlan 10X, LDPlan NeoFluar 20X, LDPlan NeoFluar 40, ECPlan NeoFluor 100X; Camera: Insight Spot 2-Megasample; Illumination: HAL-100, Exfo X-Cite Series 120
Nikon Diaphot fluorescence microscope	with environmental chamber and motorized stage, camera	Center	Shared Lab, ECC 361E	McCarty	Common	Objectives: PlanApo 2X, PlanFluor 10X Ph 1, PlanFluor 40X ELWD, PlanFluor 40X ELWD, (may also purchase 63X or 100X); Camera: Diagnostics Instruments Model #18.2 Color Mosaic; Illumination: Nikon Halogen 100W, Exfo X-Cite 120
Physiologic Instruments Ussing Chamber system	amplifier with four chamber systems	McCarty lab	Shared Lab, ECC 361E	McCarty	Common	
Cell culture inverted microscope (Fisher brand)		Center	Cell Culture Lab 2 - ECC 362	McCarty	Common	
Cell culture hood - three seats (Labconco)		Center	Cell Culture Lab 2 - ECC 362		Common	
Cell culture hood - two seats		Center	Cell Culture Lab 1 - ECC 361B		Common	
Benchtop centrifuge w sets of buckets (Beckman)	Allegra X-15R; Max RCFs: Swinging Bucket Rotor: 5,250 x g Fixed Angle Rotor: 11,400 x g	Center	Cell Culture Lab 2 - ECC 362		Common	capacity 4 X 750 mL
FPLC System (Aktia - GE Pharmacia)		Center	ECC 361C		Common	
Thermal Cycler (BioRad)		Center	ECC 360, Bench R		Common	
Mouse FlexiVent System		Center	ECC 360, Bench S	McCarty / Hunt	Common	
Licor Odyssey Infrared Imager	Quantitative Western blot; 2 color Western blotting	Center	ECC 360, Bench T	Barry Imhoff	Common	

Nucleofector for cell transfection	model #>>>	Center	Koval lab, Whitehead Bldg.	Koval	Common	Center owns half
Cell culture incubators, CO ₂ (two)		Center	Cell Culture Lab 2 - ECC 362		Common	
Cell culture incubators, CO ₂ (two)		Center	Cell Culture Lab 1 - eCC 361B		Common	
Cell culture incubator, small, at typically 27C for temperature shift		Center	Cell Culture Lab 1 - ECC 361B	McCarty	Common	
New Brunswick Scientific under-table bacteria incubator/shaker	Shaking incubator	McCarty lab	McCarty lab, outside ECC 362	McCarty	Common	For bacterial cultures
Bacterial plate incubator		McCarty lab	McCarty lab, outside ECC 362	McCarty	Common	For bacterial cultures
Oven	for dry sterilization	McCarty lab	McCarty lab, outside ECC 362	McCarty	Common	
Plate reader, Molecular Devices SpectraMax M2	absorbance, luminescence, fluorescence intensity	Center	ECC 360, Bench T	Barry Imhoff	Common	
Low-temp incubator, w/o CO ₂ , for Sf9 cells (two)		McCarty lab	McCarty lab ECC 360 Benches B,E	Barry Imhoff	Common	For insect cells
Nanodrop spectrophotometer	for DNA and RNA	Center	ECC 360, Bench R		Common	For DNA or RNA
Plate reader, Molecular Devices, SpectraMax M3	with injectors	Center	ECC 360, Bench Q	Joshua Chandler	Common, with training	
Share-ABLE Equipment in the Center for CF and Airways Disease Research						
Mammalian cell patch-clamp rig	on Zeiss fluorescence microscope, see below	McCarty lab	McCarty lab ECC 361F	McCarty / Cui	Shared on special request of PI	
BioRad BioPlex system with BioPlex HTF system	Luminex technology	Stecenko/Hansen lab	Currently in Fitzpatrick Lab	Stecenko	Shared on special request of PI	
BioRad myCycler X2	PCR	Stecenko/Hansen lab		Hansen	Shared on special request of PI	
Oocyte two-electrode voltage clamp	Rig #2	McCarty lab	McCarty lab ECC 360	McCarty / Cui	Shared on special request of PI	
BioTek H1m Synergy	Monochromator-based plate reader, top and bottom fluorescence, luminometer (see comment)	Goldberg lab		Goldberg	Shared on special request of PI	
BioLog OmniLog	Automated incubator/plate reader capable of 50 96-well plates. (see comment)	Goldberg lab		Goldberg	Shared on special request of PI	
Nitrogen disruption bomb	Preparation of granule fractions from secretory cells	Tirouvanziam Lab	Tirouvanziam Lab Rm 360	Tirouvanziam	Shared on special request of PI	
Refrigerated centrifuge (microplates, FACS tubes, culture flasks)	Max 16,500xG, Capacity 36 x 15 ml	Tirouvanziam / Ziady Labs	Tirouvanziam Lab Rm 360	Tirouvanziam	Shared on special request of PI	

						Objectives: APlan 5X, APlan 10X, LDPlan NeoFluar 20X, LD Plan NeoFluar 40X; Camera: AxioCam HRc Series 2; Illumination: HAL-100, Exfo X-Cite Series 120; Equipped with Uniblitz Shutter on input side
Zeiss AxioVert fluorescence microscope	Camera can be swapped for photomultiplier tube for quantitation	McCarty lab	McCarty lab 361F	McCarty	Shared on special request of PI	
ChemiDoc Touch system		Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
BlueLight Transmitter		Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Refrigerated microcentrifuge	Eppendorf 5430R	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Refrigerated centrifuge	Eppendorf 5810R	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Thermal cycler	Biometra T Advanced	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Thermal cycler	Biometra T Professional Trio	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
EVOS microscope	non-fluorescent	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Nucleofector	Lonza 4D	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Flash Gel System	Lonza 4D	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Microwave oven	MagicChef	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Analytical balance	Mettler Toledo ML204	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Precision balance	Mettler Toledo ML3001E	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Molecular Devices: FlexStation 3 multimode plate reader	with injectors	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Shaking incubator	VWR, floor model	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Zeiss AxioVert fluorescence microscope		Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
BioRad QX200 Droplet Digital PCR System		Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
Applied Biosystems (Thermo Fisher): Quantstudio 5 Real-time PCR System	384-well block	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	
BMG LabTech: Clariostar fluorimeter	2 injectors	Sorscher lab	HSRB E-297	Annette Ehrhardt	Shared on special request of PI	