

Equipment

Major Equipment – The McDonnell Genome Institute, Washington University in St. Louis

The McDonnell Genome Institute has the following major equipment, as well as miscellaneous equipment for a dedicated sequencing laboratory.

Equipment	Quantity
-20C Freezers	84
-80C Freezers	64
4C Refrigerator	49
ABI 3730 DNA Sequencers	2
ABI 9700 Thermal Cyclers	11
ABI Verti Thermal Cyclers	3
Agilent Bioanalyzer 2100	6
Agilent tape station 2200	1
AMSCO 570 glassware washer	1
AMSCO Eagle Series 3033 Autoclaves	1
AMSCO Eagle Series 3043 Autoclaves	1
Beckman Biomek FX instruments	2
Beckman Coulter Allegra X-12 centrifuge	3
Beckman Coulter Mircrofuge 22R Refrigerated Centrifuge	23
Beckman Coulter Multisizer III	2
Beckman Avanti j-e	2
Bio Doc-It System UVP Imaging systems	2
Biolog GEN III OMNILOG II COMBO PLUS SYSTEM	1
Biomicro XL 20	1
Biorad Chef DR11 and DR 111	6
bio rad qx 100 droplet reader	1
Bionano irys	1
Biotage Pyrosequencer	1
Caliper Life Sciences Labchip GX	3
Caliper Life Sciences Labchip XT	4
Covaris E210 96 well High Performance Sample Preparation Instruments	1
Covaris S2 High Performance Sample Preparation Instruments	2
Covaris E220 96 well High Performance Sample Preparation Instruments	2
COVARIS M220	1
CyBio SELMA 96	2
Eppendorf vacufuge plus	1
Eppendorf 5075 EP Motion robots	7
Eppendorf Realplex Thermal Cyclers	1
Fisher Smartscan 96 2D Scanner	5
Fotodyne Analyst systems	5

GE Typhoon Trios	2
Gene Technologies G-Storm4 Thermal Cyclers	5
GeneMachines Hydroshear Devices	4
Ion Torrent Personal Genome Machine	1
Illumina C-Bots	10
illumina GA Iix	1
Illumina HiSeq 2500	4
Illumina HiSeq 2000	2
Illumina MiSeq	4
Illumina 4000	1
Illumina HiSeq X	10
Illumina iScan with autoloader and tecan automation	1
Jouan Centrifuges	2
Labconco* Purifier* Vertical Clean Benches and Filtered PCR Enclosures	11
labconco clean bench	1
Large shaker incubators	2
Large upright incubator cabinets	6
Matrix Wellmate Microplate Reagent Dispensers	2
Microscopes	2
MJ Research PTC-200 Thermal cyclers	2
MJ Research PTC-225 Thermal cyclers	6
Mondrian	2
Nanodrop ND-1000 spectrophotometers	4
Nanostring nCounter analysis system	3
Nimblegen hybridization system HS 4	1
Opgen Argus Optical Mapping	1
Pacific Biociences RS instrument	1
Qiagen Tissue Lyser	2
Qiagen Tissue Lyser II	2
Qubit Fluorometer	7
Roche 454 GS-FLX Titanium sequencers	0
Roche Light Cycler 480s	4
Rotanta 460 centrifuge	5
Rotanta 460RS centrifuge refrigerated	10
Thermo Varioskan Flash	2
Bio Rad T100 thermal cycler	13
Bio Rad C1000 thermal cycler	6
Bio Rad S1000 thermal cycler	15
Janus	2
Caliper Sciclone	4
Blue pippen	4

Equipment for **Brown University** and **New York University School of Medicine** are contained within the Resources document.