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**RESOURCES**


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Follow the 398 application instructions in Part I, 4.7 Resources.

**LABORATORY:**

Through substantial Institutional investment over the recent years, the TCL has been expanded and occupies ~10,500 nsf (total). This space includes (1) a Mutch (PPMC) freezer repository division (housing 28 -80 °C freezers); 1,700 nsf Mutch Basement; (2) a consolidated TCL laboratory in Smilow Center for Translational Research plus walk-in cold room, 1<sup>st</sup> floor ~4,900 nsf; (3) a SCTR division freezer repository division (housing 20 -80 °C freezers), ~1,800 nsf; as well as (4) HUP 1<sup>st</sup> floor Dulles ~ 200 nsf; and (5) and CHOP CTRC-TCL unit; 2,500 nsf core labs.

**EQUIPMENT:**

GENERAL INFORMATION						
ITEM NO.	MANUF.	MODEL NO.	EQUIPMENT TYPE	# UNITS	EXISTING LOCATION	Age (years)
1	Beckman Coulter	FXp	Robotic Liquid Handler, inc. plate washer, plate hotel, plate incubator and microplate reader	1	SCTR 1-161	5
2	Roche	c501	Automated chemical analyzer	1	SCTR 1-178	4
3	Roche	e411	Automated immunochemical analyzer	1	SCTR 1-178	4
4	Sanyo	MDF-U52VA	-80 Freezer	1	SCTR 1-177	5
5	Dade Behring	BNII	Automated immunoassay Analyzer	1	SCTR 1-178	9
6	Quanterix	SIMOA	Automated Digital ELISA	1	SCTR 1-161	< 3 mon
7	Agilent	G2600D	Automated microarray scanner	1	SCTR 1-175	< 3 mon
8	Shimadzu	CBM-20A	HPLC	1	SCTR 1-170B	4
9	Bio Data	PAP-4C	Aggromometer	2	Dulles 1180	12
10	Biotek	ELX406	Plate washer	1	SCTR 1-177	1
11	Biotek	ELX405	Plate washer	2	SCTR 1-177	4
12	Thermo Fisher	Ultimate 3000	HPLC with ECD Detector	1	SCTR 1-170B	< 3 mon
13	Biotek	Power Wave XS2	UV/VIS microplate reader	1	SCTR 1-171	3
14	Revco	ULT 2186	-80 Freezer, (25 cuft)	3	SCTR 1-010	12-16
15	Sanyo	MDF-U73VC	-80 Freezer, (25 cuft)	20	Mutch B003	0-9
16	Solow	U25-85	-80 Freezer, (25 cuft)	4	SCTR 1-160	6-10
17	Sanyo	MDF-U76VC	-80 Freezer, (25 cuft)	4	SCTR 1-161	1-2
18	Sanyo	MDF-U74VC, U76VC	-80 Freezer, (25 cuft)	2 + 1	SCTR 1-166	2
19	Revco	Ultima 2	-20 Freezer, (25 cuft)	2	SCTR 1-166	5, 9
20	Revco	ULTIMA II	-80 Freezer, (25 cuft)	1	SCTR 1-160	8+
21	Linco-Luminex	LX10004317 301	Luminex IS100	1	SCTR 1-171	9
22	PERKIN ELMER	1470 WIZARD	GAMMA COUNTER	1	SCTR 1-173	13
23	TITERTEK	Quadflexx	AUTOMATIC PIPETTER	1	SCTR 1-172	14 +
24	Molecular Devices	Spectramax M2	UV/VIS Micro Plate Reader	1	SCTR 1-174	6
25	Applied Biosystems	7900HT	Sequence Detection System (Real Time PCR)	1	CHOP ARC-804	5
26	Thermo Fisher	Nanodrop 2000	Spectrophotometer	1	CHOP ARC-804	1

27	Meso Scale Discovery	Sector 6000	MSD Plate Imager	1	CHOP ARC-804	4
28	Molecular Devices	SpectraMax M5	96-well Plate Reader	1	CHOP ARC-804	9
29	Molecular Devices	SpectraMax M2	96-well Plate Reader	1	CHOP ARC-804	14
30	Siemens	Immulinite 1000	IVD assay instrument	1	CHOP ARC-804	4
31	Ortho Clinical Diagnostics	Vitros 350	Clinical Chemistry Analyzer	1	CHOP ARC-804	1
32	Sysmex	XT-2000iV	Hematology Analyzer	1	CHOP ARC-804	1
33	Thermo Fisher	Locator 6 PLUS	Liquid N2 Cryotank	2	CHOP ARC-804	5
34	The Baker Company	SterilGardIII	Tissue Culture Hood	2	CHOP ARC-804	11
35	Sanyo	IR IncuSafe	Cell Culture Incubator	4	CHOP ARC-804	6
36	Biotek	ELx405	Plate washer	1	CHOP ARC-804	5
37	Zeiss	Axiovert 25	Inverted microscope	1	CHOP ARC-804	14
38	Nexcelom	Auto T4	Cellometer (cell counter)	1	CHOP ARC-804	5
39	BioRad	Chemi Doc XRS	Gel documentation system	1	CHOP ARC-804	8
40	Applied Biosystems	Veriti	Thermal cycler	5	CHOP ARC-804	4
41	Mystaire	MY-PCR	PCR Workstation	1	CHOP ARC-804	1
42	Revco	Ultima II	-80°C Freezer, (25 cuft)	3	CHOP ARC-804	10
43	Panasonic	MDF-U76VC	-80°C Freezer, (25 cuft)	1	CHOP ARC-804	4
44	Sanyo	MDF-U73VC	-80°C Freezer, (25 cuft)	2	CHOP ARC-804	1