

**Equipment List 1**  
**Drug Discovery Center, Medical Research Support Center**

2019.07.18

Classification 1	Classification 2	Equipment No.	Equipment name	Manufacturer	Location	Number	Reservation	
Gene analysis	PCR thermal cycler	59	Veriti 96-Well Thermal Cycler	Applied Biosystems	CA4F	1	Required	
		60	T100 Thermal Cycler	Bio-Rad Laboratories	CA4F	1	Required	
		-	GeneAmp PCR System 9700	Applied Biosystems	MP5F	2	Not Required	
	Real Time PCR	Real Time PCR	25	7300 Real-Time PCR System	Applied Biosystems	CA4F	1	Required
			47	QuantStudio 6 Flex Real-Time PCR System	Thermo Fisher Scientific	MP5F	1	Required
			56-1	StepOnePlus Real-Time PCR Systems	Applied Biosystems	MP3F	1	Required
			56-2	StepOnePlus Real-Time PCR Systems	Applied Biosystems	MP3F	1	Required
			63	Biomark	Fluidigm	CA4F	1	Required
			65	QuantStudio 3D Digital PCR System	Thermo Fisher Scientific	CA4F	1	Required
	Microarray	Microarray	22	GeneChip Scanner 3000 System	Affymetrix	CA4F	1	Required
			23	Agilent G2565CA Microarray Scanner System	Agilent Technologies	CA4F	1	Required
			24	GeneSpring GX	Agilent Technologies	CA4F	1	Required
			32	iScan	Illumina	CA4F	1	Required
	High-throughput sequencing	High-throughput sequencing	33	Library Builder	Applied Biosystems	CA4F	1	Required
34			LabChip XT	PerkinElmer	CA4F	1	Required	
28			CLC Genomics Workbench	CLC bio	MP5F	1	Required	
Protein analysis	Protein purification system	64	AKTA pure 25M	GE Healthcare	MP5F	1	Required	
	Intermolecular interaction analysis	50	Octet RED96	ForteBio	MP5F	1	Required	
Cell analysis	Cell analyzer	07	BD LSRFortessa	Becton Dickinson	CA4F	1	Required	
	Cell sorter	36	BD FACSAriaIII	Becton Dickinson	CA4F	1	Required	
		36	BD FACSAriaII	Becton Dickinson	MP5F	1	Required	
		61	MoFlo Astrios	Beckman Coulter	MP5F	1	Required	
		57	SH800S Cell Sorter	SONY	MP3F	1	Required	
		66	DEPArray V2	Menarini Silicon Biosystems	MP3F	1	Required	
	Flow cytometry analysis software	8	FlowJo	Becton Dickinson	CA4F	1	Required	
	Single-cell analysis	62	C1 Single Cell Auto Prep System	Fluidigm	CA4F	1	Required	
Cellular metabolism measurement	9	Seahorse XF96	Agilent Technologies	MP5F	1	Required		
Electrophoresis	Electrophoresis	26	2100 Bioanalyzer	Agilent Technologies	CA4F	1	Required	
		49	4200 TapeStation	Agilent Technologies	CA4F	1	Required	
	2D electrophoresis	15	Auto2D	SHARP LIFE SCIENCE	MP5F	1	Required	
		16	Ettan IPGphor	GE Healthcare	MP5F	1	Required	
		16	Ettan DALTsix Large Electrophoresis System	GE Healthcare	MP5F	1	Required	
	2D electrophoresis analysis software	18	DeCyder 2D	GE Healthcare	CA4F	1	Required	
Protein spot excision system	19	Ettan Spot Picker	GE Healthcare	CA4F	1	Required		
Microscope/ Imaging	Confocal microscope	12	TCS SP8	Leica	CA4F	1	Required	
	Fluorescence microscope/ analysis PC	11a	BZ-9000	KEYENCE	CA4F	1	Required	
		11b	BZ-9000 Analysis Software	KEYENCE	CA4F	1	Required	
		11a-1	BZ-X710	KEYENCE	MP3F	1	Required	
		11a-2	BZ-X710	KEYENCE	MP3F	1	Required	
		11b	BZ-X710 Analysis Software	KEYENCE	MP3F	1	Required	
		10	IX8	Olympus	MP5F	1	Required	
	Inverted phase contrast microscope	-	CKX31	Olympus	CA4F	1	Not Required	
		-	CKX53	Olympus	MP5F	1	Not Required	
		-	CKX53	Olympus	MP5F	1	Not Required	
	Cell imaging system	6a-1	ArrayScanVTI	ThermoFisher Scientific	MP5F	1	Required	
		6a-2	ArrayScanVTI	ThermoFisher Scientific	MP5F	1	Required	
		6b	ArrayScanVTI Analysis Software	ThermoFisher Scientific	MP5F	1	Required	
48a		OperaPhenix	PerkinElmer	MP5F	1	Required		
48b		OperaPhenix Analysis Software	PerkinElmer	MP5F	1	Required		
Luminescence/ Fluorescence/ Spectroscopy system	Microspectrometer	35	Nanophotometer	Implen	CA4F	1	Required	
		35	Nanophotometer C40	Implen	MP3F	1	Required	
	Gel/membrane imaging system	21	ChemiDoc MP	Bio-Rad	CA4F	1	Required	
		21	ChemiDoc Touch MP	Bio-Rad	MP3F	1	Required	
		-	AE-6932GXES-U	ATTO	CA4F	1	Not Required	
	Plate Reader	-	FAS-IV	Nippon Genetics	MP5F	1	Not Required	
		5	2030 ARVO X5	PerkinElmer	CA4F	1	Required	
55	Spark	TECAN	MP3F	1	Required			
Centrifuge	Ultracentrifuge	14-1	Optima XE-100	Beckman Coulter	MP5F	1	Required	
		14-2	Optima XE-100	Beckman Coulter	MP5F	1	Required	
		14-3	Optima XPN-100	Beckman Coulter	CA4F	1	Required	
		58	Optima MAX-XP	Beckman Coulter	MP3F	1	Required	
	High-speed cooling centrifuge	-	Avanti J-E	Beckman Coulter	CA4F	1	Not Required	
		-	MX-307	TOMY	MP3F	1	Not Required	
	Cooling microcentrifuge	-	MX-307	TOMY	CA4F	2	Not Required	
		-	MX-305	TOMY	MP5F	2	Not Required	
		-	MX-301	TOMY	MP5F	1	Not Required	
		-	MX-301	TOMY	MP3F	1	Not Required	
	Multi-tube centrifuge	-	LC-230	TOMY	CA4F	1	Not Required	
		-	Allegra X-30R	Beckman Coulter	MP5F	1	Not Required	
		-	Allegra X-30R	Beckman Coulter	CA4F	1	Not Required	
	Benchtop centrifuge	-	Petit Maru 6	WAKEN B TECH	CA4F	1	Not Required	
		-	Petit Maru 8	WAKEN B TECH	MP3F	1	Not Required	
		-	Petit Maru 8	WAKEN B TECH	MP5F	2	Not Required	
		-	Petit Hachi	WAKEN B TECH	CA4F	1	Not Required	
-		Petit Hachi	WAKEN B TECH	MP3F	1	Not Required		
-	Petit Change	WAKEN B TECH	MP5F	1	Not Required			
Centrifugal evaporator	-	CVE-3100	EYELA	MP5F	2	Not Required		
Density gradient system	30	Gradient Station	BIOCOMP	MP5F	1	Required		

MP5F : Drug Discovery Center, 5th floor, Med-Pharm Collaboration Building

MP3F : Core facility room 306 (Inside Innovation Hub Kyoto), 3rd Floor, Med-Pharm Collaboration Building

CA4F : Core facility room 401a, 4th Floor, Center for Anatomical, Pathological, and Forensic Medical Researches

**Equipment List 2**  
**Drug Discovery Center, Medical Research Support Center**

2019.07.18

Classification 1	Classification 2	Equipment No.	Equipment name	Manufacturer	Location	Number	Reservation
Incubator	O <sub>2</sub> /CO <sub>2</sub> incubator	-	MCO-5M	SANYO	CA4F	2	Not Required
	CO <sub>2</sub> incubator	-	Forma Direct Heat CO <sub>2</sub> Incubator	Thermo Fisher Scientific	CA4F	2	Not Required
		-	MCO-20AIC	Panasonic	MP5F	4	Not Required
	Incubator	-	ETTAS IW-450S	AS ONE	CA4F	1	Not Required
		-	Petit Incubator 2290	WAKEN B TECH	CA4F	2	Not Required
	Incubator shaker	-	BR-40LF	TAITEC	CA4F	1	Not Required
		-	BR-22FP	TAITEC	MP5F	1	Not Required
	Water bath	-	Petit Bath 2250	WAKEN B TECH	CA4F	2	Not Required
		-	Thermo Minder SD	TAITEC	MP5F	1	Not Required
		-	Thermo Minder SD mini	TAITEC	CA4F	1	Not Required
		-	Thermo Minder SJ-10R	TAITEC	MP5F	1	Not Required
		-	Thermal ROBO TR1	TAITEC	MP3F	1	Not Required
	Block incubator	-	MD-01N	Major Science	CA4F	2	Not Required
		-	EL-01	Major Science	CA4F	1	Not Required
		-	BI-516S	ASTEC	MP5F	6	Not Required
-		MiniT-C	WAKEN B TECH	MP5F	1	Not Required	
-		BI-516S	ASTEC	MP3F	3	Not Required	
Others	Large format printer	29	imagePROGRAF iPF8300S	Canon	CA4F	1	Required
	Automatic dispenser	1	Multidrop Combi	Thermo Fisher Scientific	MP5F	1	Required
		2	EDR-384SII	BioTec	MP5F	1	Required
		46	EDR-384SX	BioTec	MP5F	1	Required
	Plate washer	3	AMW-96SX	BioTec	MP5F	1	Required
		31	HydroSpeed	TECAN	MP5F	1	Required
	2D barcode reader	4	XTR-96	Brooks Life Sciences	MP5F	1	Required
	Sonicator	27-1	Focused-ultrasonicator S220	Covaris	CA4F	1	Required
		27-2	Focused-ultrasonicator S220	Covaris	CA4F	1	Required
	Ultrasonic cleaner	-	ASU CLEANER ASV-6	AS ONE	CA4F	1	Not Required
		-	Ultrasonic Cleaner AS-38A	AS ONE	CA4F	1	Not Required
		-	Ultrason VS-25	VELVO-CLEAR	MP5F	1	Not Required
	Autoclave	-	LSX-500	TOMY	CA4F	1	Not Required
		-	LSX-300	TOMY	MP5F	1	Not Required
	Biosafety cabinet	-	Labculture Class II BSC Type A2	ESCO	CA4F	1	Not Required
		-	NSE-1500II A2	DALTON	MP5F	2	Not Required
	Clean bench	-	Airstream Pro BCB-4A7U	ESCO	CA4F	1	Not Required
		-	S-1801 PBV	SHOWA	CA4F	1	Not Required
		-	SC-13BGB	DALTON	MP5F	2	Not Required
	Fume hood	-	CBK-SL12	SHIMADZU	CA4F	1	Not Required
		-	DFC10-AA12-AA	DALTON	MP5F	1	Not Required
	Stirrer/shaker	-	Vortex-Genie 2	Scientific Industries	CA4F	1	Not Required
		-			MP5F	2	Not Required
		-			MP3F	1	Not Required
		-	Hotplate Stirrer PC-420D	Corning	CA4F	1	Not Required
		-	Magnetic Stirrer MA300	YAMATO	MP5F	1	Not Required
		-	Magnetic Stirrer MD500	YAMATO	MP5F	1	Not Required
		-	Petit roter 2210	WAKEN B TECH	MP5F	2	Not Required
		-	Petit rocker 2230	WAKEN B TECH	MP5F	1	Not Required
		-	WAKEN TUBE MIXER 2280	WAKEN B TECH	MP5F	1	Not Required
		-	LABO SHAKER BC-740	BIO CRAFT	MP5F	1	Not Required
	Peristaltic pump	-	MICRO MIXER E-36	TAITEC	MP5F	1	Not Required
		-	Watson Marlow 323	WATOSON	MP5F	1	Not Required
	Drying oven/sterilization oven	-	MOV-112F	SANYO	CA4F	1	Not Required
		-	NDS-420	EYELA	MP5F	1	Not Required
	Ultrapure water system	-	Milli-Q Advantage	Millipore	CA4F	1	Not Required
		-	Elix Advantage	Millipore	CA4F	1	Not Required
		-	Milli-Q Advantage	Millipore	MP5F	1	Not Required
		-	Elix UV3	Millipore	MP5F	1	Not Required
		-	Milli-Q Integral 10	Millipore	MP3F	1	Not Required
	pH meter	-	LAQUA F-72	HORIBA	CA4F	1	Not Required
		-			MP5F	1	Not Required
	Electronic balance	-	NewClassic MS3002S	METTLER TOLEDO	CA4F	1	Not Required
		-	NewClassic MS205DU	METTLER TOLEDO	CA4F	1	Not Required
	Refrigerated chamber (4°C)	-	MPR-721	Panasonic	CA4F	1	Not Required
-		MPR-312D	SANYO	MP5F	2	Not Required	
Freezer (-30°C)	-	MDF-137-PJ	Panasonic	CA4F	1	Not Required	
	-	MDF-U539	SANYO	MP5F	1	Not Required	
Microwave oven	-	RO-S23V7	mitsubishi	CA4F	1	Not Required	
	-	RE-T13	SHARP	MP5F	1	Not Required	
Ice maker	-			CA4F	1	Not Required	
	-	FM-120K	HOSHIZAKI	MP5F	1	Not Required	
	-			MP3F	1	Not Required	

MP5F : Drug Discovery Center, 5th floor, Med-Pharm Collaboration Building

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