

Labratory Facilities of School of Pharmacy, MUMS (2022)				
Name	Company	Model	Country	Discription
Department of Pharmaceutics and Pharmaceutical Nnaotechnology				
Specialized pharmaceutical laboratory				
Automatic Dissolution Test	Pharma test	PTWS	Germany	
DSC	METTLER TOLEDO	Dsc822e	Switzerland	
Rheometer	Brookfield	R/S plus	Germany	
Ph meter	Corning	240	U.K.	
Weighing machine Or Tablet hardness Tester	ERWEKA	TBH200	Germany	
Microcentrifuge	KENDRO	Biofuge Pico	Germany	
Balance	A&D	GF-400	Japan	
Shaker bain marie	Shimi fann	S.57	Iran	
Balance	A&D	GR-200	Japan	
Tensiometer	KSV	Sigma703	Finland	
Filtration Flask Buchner	-	-	Germany	
HPLC	KNAUER	-	Germany	
Franz cell	-	-	Iran	
Material Testing Machine	Hounsfield	H50KS	England	
Hot plate stirrer	Lab Companion	HP-300	Korea	
Vortex	VELP Scientifica	2X3	Europa	
Viscometer	FUNGILAB	Visco basic Plus	Spain	
Micrometer	Mitutoyo	-	Japan	
Tachometer	Lotrun	DM6234P	-	
Electrical Meat Masher	BRAUN	MR 400	Spain	
Manual Mixer with Bowl	ANEX	D-73230	Germany	

Industrial laboratory				
Press Tablet	Korsch		Iran	
Dragging Pot	Erweka		Iran	
Dissolution test	Azin gostar Pharma		Iran	
Spectrophotometer	Unico	S2100UV	USA	
Spectrophotometer	Unico	UV2150	USA	
Schener extruder	Dorsa		Iran	
Oven	JEIOTECH		Korea	
Vibrator	Erweka		Iran	
Z-shape mixer	Erweka		GERMANY	
Hardness test	Azin gostar Pharma		Iran	
Erosion test	Azin gostar Pharma		Iran	
Disintegration test	Azin gostar Pharma		Iran	
Tap densitometer	Azin gostar Pharma		Iran	
Flow meter	Azin gostar Pharma		Iran	
PH Meter	Jenway	3310		
PH Meter	Milwaukee	Mi 150	Romania	
Centrifuge	Pars Tajhiz Azma		Iran	
Weight Scale	AND	GF-300	JAPAN	
Ben murray	Pars Tajhiz Azma	U-M54	Iran	
Laboratory of novel drug delivery systems				
Scale	AND	GR - 300	JAPAN	
Scale	AND	GF -400	JAPAN	
UV-VIS Spectrophotometer	SHIMADZU	160 – A	JAPAN	
UV-VIS Spectrophotometer	UNICO	UV - 2100	JAPAN	
Oven	memmert	-	GERMANY	
Ultrasonic Homogenizer	hielscher	Up200Ht	GERMANY	
Ultrasonic Homogenizer	MSE	Soniprep-150	England	
Ultrasonic Homogenizer	SONICA	-		
Refrigerated Centrifuge	Sigma	3-30k	GERMANY	

Rotavapor	Heidolph	Laborota-4000	GERMANY	
Shaker Incubator	Heidolph	Unimax1010	GERMANY	
Rotator	labinco	LD - 97	GERMANY	
Climate chamber	memmert	HCP 108	GERMANY	
Climate chamber	memmert	ICH110L	GERMANY	
Centrifuge	Pasr Azma	UNIVERSAL	Iran	
Particle Size Analyzer	Malvern	Nano - ZS	ENGLAND	
Freeze Dryer	Heto	-	Denmark	
Millipore	millipore	-	GERMANY	
Hettich® MIKRO 120 centrifuge	Hettich	Mikro - 120	GERMANY	
Incubator	memmert	INB - 300	GERMANY	
Basic Ultra Turrax Homogenizer		Ika – t 10	GERMANY	
Heidolph homogenizer DIAX 900	Heidolph	DiAx - 900	GERMANY	
Ben murray (water bath)	Pars Azma	-	Iran	
pH meter	corning	240	ENGLAND	
Central Pharmaceuticals and Nanotechnology Research Laboratory				
Refrigerated Centrifuge	Tommy	Suprema25	JAPAN	
pH meter	Martini instrument	Mi 151	Italy	
Heater Stirrer	VELP Scientifica	-	Italy	
Heater Stirrer	DELTA	HM-110	India	
ELISA washer	CMI awareness technology	2600	USA	

Glass Vacuum Desiccator	Glass wertham	Mit 2 atii gepruft	Netherlands	
Microplate reader	CMI awareness technology	Stat fax -2100	USA	
HPH (High-Pressure Homogenization)	Arestin	Emulsiflex-C3	Canada	
Spray dryer	Buchi	B-290	Switzerland	
BATH WATER SONICATOR	Kerry	-	ENGLAND	
HPLC	Shimadzu	DGU-20A 5R	JAPAN	
Centrifuge	-	BS4402/D	ENGLAND	
Centrifuge	Hermle	2230A	GERMANY	
Water bath	Behdad	-	Iran	
Vortex	VELP SCIENTIFICA	-	Italy	
Digital scale	OHAUS	Scout II	USA	
Digital scale	Sartorius	Basic	GERMANY	
Incubating water bath	Pars Azma	-	Iran	
Cascade impactor MSP	Copley	S/N NG1-0651	USA	
Reciprocal water bath	Faraz Teb Tajhiz	NB-304	Iran	
Shaker	Behdad	Rotator 2002	Iran	
Department of Pharmaceutical Control				
Sensitive scale	Shimadzu	AEU-210	Japan	
balance	Mettler	PE 200	Switzerland	
balance	Mettler	PE 200	Switzerland	
microscope	Nikon	-	Japan	
microscope	Nikon	-	Japan	
microscope	zeiss	-	Japan	

microscope	zeiss	-	Japan
spectrophotometer	Biotech	UV-9100	-
spectrophotometer	Pye unicom Ltd	SP6-200	England
vortex	Velp Scientifics	-	Italy
vortex	Techne	Vortech	England
Ben murray (water bath)	LABSCO	-	Germany
Ben murry (water bath)	LABSCO	-	Germany
autoclave	Tomy Sciko	Sx700-E	Japan
autoclave	Rihan Teb	-	Iran
oven	Gallen hamp	-	-
oven	Memmert	-	Germany
oven	Binder	E 115	Germany
incubator	memert	-	Germany
incubator	memert	-	Germany
incubator	HELCO	-	-
Heater(hot plate)	-	-	-
Heater(hot plate)	Sturt	-	-
microfuge	Labnet	Labnet 16 m	USA
shaker incubator	New Brunswick Scientific	G 76	USA
Colony counter	New Brunswick	C-101	USA
Colony counter	Synbiosis	Acol-super	England
incubator	Behdad	-	Iran
Laminar air flow	Gel man instrument	Class 100	Italy
Fermenter	Winpact	FS-01	USA
centrifuge	hittech	-	USA
Vacuum Pump	REXA	REXA 2000	-
sampler (multi-channel)	Brand	-	Germany
Heater(hot plate)	Sturt	-	-
UV VISIBEL	Monsa	UV-M51,UV/VIS	Italy
Bath sonicator	HeinrichstarBe	-	Germany

Department of Pharmaceutical Biotechnology				
PH Meter	Jenway	۳۵۰۵	England	
Oven	Behdad	۲۰	Iran	
Incubator	Behdad	6520	Iran	
Cold incubator	Soroush Medical	SCI 2001	Iran	
Shaker incubator	Gal Tajhiz	JTSL 20	Iran	
Serological Water Bath	Behdad	3505	Iran	
Power supply	ATTA	Mypower 500-AE8150	JAPAN	
Vacuum pump	Kawake	JP-40V	Taiwan	
Digital Scale	A&D	D0003	JAPAN	
Semi-Micro Analytical Balances	A&D	GR-200	JAPAN	
Thermal cycler	Techne	FTGENE 50	ENGLAND	
Real Time- PCR	Applied Biosystems(AB)	Step - one	USA	
Power supply	GE Healthcare Bio Sciences	EPS 601	Sweden	
Image Scanner III	EPSON	J181A-ge	JAPAN	
Rotavapor	BUCHI	R-114-	GERMANY	
Rotator	Pouya Electric- -Peco	5118A	Iran	
Gel doc-UVI doc system	UVP	GAS9000-	ENGLAND	
Centrifuge	Behdad	BCD 2006	Iran	
Vortex	Velp	ZX3	Europe	
Multi Stirrer	Velp	F203AO177	Europe	
Hotplate Stirrer	Labtech	LMS- 1003	Korea	
Centrifuge	MPW Med. instruments	MPW-55	Poland	
Spinner	Tomy	Micro one	JAPAN	
Block incubator	astec bio	BI-516s	JAPAN	
UV Microscope	NIKON	E 200	JAPAN	
Microwave	LG	MC-2003TR	Korea	
Centrifuge	Sigma	3K30	GERMANY	

Aspiration system (Vacusafe)	Integra Bioscience(IBS)	158 3xx	Switzerland	
CO₂ incubator	Memmert	INC 246	GERMANY	
CO₂ incubator	Binder	CB 150	GERMANY	
Invert Microscope	Labomed	TCM 400	USA	
Flow cytometre	BD	accuri c6	USA	
Centrifuge	Pars Azma	CE05	Iran	
FPLC	GE Healthcare-AKTA	18190026 AKTA Upc-900,p-920,Frac-950	Sweden	
Power supply	Paya Pajooohesh	EPS-600	Iran	
Hotplate Stirrer	Persia shimi	PS-10	JAPAN	
Laminar Flow Cabinet	Ahang Danesh		Iran	
Vacuum pump	Millipore	Xx5522050	France	
Water Purification System	Millipore	Direct-Q 3	France	
GF-600 Precision Scale	A&D	GF-600	Japan	
Shaker incubator	Gal Tajhiz	0 ^o JTSDL	Iran	
Shaker incubator	Gal Tajhiz	0 ^o JTSL	Iran	
Incubator	Behdad	Type B	Iran	
Department of Toxicology and Pharmacology				
Pharmacological and behavioral laboratories				
Ventilator	Harvard	683	U.S.A.	
HPLC	Shimadzu	10ADvp	Japan	
Peristaltic Pump	ADInstrument	Minipulus 3	Australia	
Spectrophotometer	Shimadzu	UV1650	Japan	
Microscope	KDscientific	_____	Germany	
Stereomirosope	M610	_____	_____	
stereotaxy	TSE	430005-S-1	Germany	
Power Lab	ADInstrument	ML118	Australia	
Homogenizer	Micra	31131	Germany	

Micropomp	KDscientific	_____	U.S.A.	
Electroshock	Eghbal Teb Shargh	150	Iran	
Shaker Incubator	Heidolph	Unimax1010	Germany	
PH Meter	AZ	86502	Taiwan	
Mouse Rotarod	TSE	3375-5	Germany	
Spectrophotometer	Jenway	1605	England	
Hot Plate	Farad	HP110	Iran	
Tail Flick	Eghbal Teb Shargh	_____	Iran	
Scale (0.1 mg)	AND	GR200	Japan	
Scale (1 mg)	AND	D0001	Japan	
Scale (g)	Shimadzu	Libror El-6000	Japan	
Rat Rotarod	Borj Sanat	M.T6800	Iran	
Tail Flick	UGO Basil	21036	Italy	
Toxicology laboratory				
Vacuum Pomp	INDUSTRIES	4UD48C1402AP	U.S.A	
Refrigerator	Emersun	۳۰ × ۷۰	IRAN	
UV Apparatus	DESAGA	UV254/366NM	GERMANY	
Rotary	HEIDOLPH	ROTAVACSENSE	GERMANY	
Water Bath	LABSCO	OLLMANN SCHUETZ	GERMANY	
Water Bath	LABSCO	OLLMANN SCHUETZ	GERMANY	
Stabilizer	FARATEL	AVR40	IRAN	
Spectrophotometer	UNIC	S2100UV	U.S.A	
Magnet	RETSCH	RUHROMAGRS 15	GERMANY	
Heater	ELECTROTHERMAL	EMX1000/SCE	ENGLAND	
Shaker	LABTRON	LS-100	IRAN	
Heater	GERHARDT			
Space Heater	MATSUSHITA ELECTRIC	DS-96R	JAPAN	
Centrifuge	HETTICH	ROTOFIX32A	GERMANY	

Water Bath	MEMMERT	WNB 14	GERMANY	
Incubator	Pars Azma	55 LM	IRAN	
Vacuum Pump	KAWAKE ALRVACCO	EP-40V	IRAN	
Vacuum Pump	KAWAKE ALRVACCO	EP-40V	IRAN	
Digital Scale	AND	GR-200	JAPAN	
Digital Scale	SHIMADZU	LIBROREB-3200D	JAPAN	
Water Deionizer	ABSAZ	R101D	IRAN	
Freezer (-86)	NEW BRUNSWICK SCIENTIFIC	U570	ENGLAND	
Freezer Auto Doppler (-86)	NEW BRUNSWICK SCIENTIFIC	CO2BACK UP UNIT	ENGLAND	
PH Meter	METROHM	827PH LAB	SWITZERLAND	
Centrifugal	CLEMENTS	CLEMENTS 2000	AUSTRALIAN	
Water Bath	HAKIM		IRAN	
Oven	DRYING	1002-220V-1200W		
Stabilizer	FARATEL	STB 25 R	IRAN	
Vortex	INDUSTRIES	K-550-GE	U.S.A	
Vortex	VELP	RX3	ITALY	
Refrigerator	Pars	foot ۱۲	IRAN	
PH Meter M240	CORNING	M 240	ENGLAND	
TLC Plate Coater	J.BIBBY			
Cell culture and molecular laboratories				
Water bath	Behdad 3505	۳۵۰۵	IRAN	
Shaker	Heidolf 54111	۵۴۱۱۱	Germany	
Biological safety cabinet	Ahangedanesh		IRAN	
Biological safety cabinet	Beasat	BSC126	IRAN	
Mini spin	Ependorf	۲۲۳۱۱	Germany	
Digital balance	A and D Gf600		Japan	
CO₂ Incobator	MMM		Italy	

Gel Documentation	Alliance 7.4		England	
PH meter	Martini MI151		Romania	
Hot plate and magnetic stirrer	10SHPM		Korea	
Inverted microscope	TCM400		Germany	
Hemogenizer	IKA - weker		Germany	
Mini Rocker	MRP -25		IRAN	
Refrigerated Centrifuge	Hettich universal 320R		Germany	
Centrifuge	BH - 200		IRAN	
Mini spin	C1301LANNOT		Korea	
Termocell cooling and hotting	CHB202		China	
Stabilizer	Faratel STB25R		IRAN	
Oven	Behdad		IRAN	
Department of Medicinal Chemistry				
Instrumental analysis laboratory				
Atomic Absorption	AA240FS	Varian	America	
Polarimeter	Bellingham Stanley Limited	-	English	
Polarimeter	Polax-2L	Atago	Japan	
Refractometer	Bellingham Stanley Limited	Labsco	English	
Spectrofluorometer	RF-540	Shimadzu	Japan	
FT-IR	SpectromTwo	Perkin Elmer	America	
Spectrophotometer	9000	Cecil	English	
Spectrophotometer	UV- 1800	Shimadzu	Japan	
pHmeter	691	Metrohm	Swiss	
Gas Chromatography	Series 3800	Varian	America	

Balance	Libror AEU-210	Shimadzu	Japan	
Nanobiology Laboratory				
Nanodrop	FST-2000	Thermo Scientific	USA	
Microplate Reader	Synergy H4 Hybrid Reader	BioTek	USA	
Shaker-Incubator	Inkubator 1000 Unimax1010	Heidolph	Germany	
Orbital Shaker	S01	Stuart Scientific	UK	
pH meter	827 pH lab	Metrohm	Swiss	
Heater Stirrer	HM-101	Delta In.	Iran	
Blood Tube Rotator	SB1	Stuart Scientific	UK	
Thermal Cycler	MyCycler	BioRad	USA	
CENVAC IR MICRO Vacuum Centrifugal) (Concentrator	NB-503CIR	N-BioTek	South Korea	
Refrigerated floor type speed centrifuge	Universal 320 R	Hettich	Germany	
Dri-Block	DB-2A	Techne	UK	
low-speed laboratory centrifuge (5000 rpm)	I-6P	Sigma	Germany	
Gallenkamp Duostat incubator	Doustat Incubator	Gallenkamp	England	
Bath Sonicator	DT 102H	Bandelin	Germany	
Gel Documentation	Red SA-1000	Protein Simple	USA	
Gel Electrophoresis Set	PowerPac Universal	BioRad	USA	
Heater-Stirrer	HS-860	AlfaTec	Iran	
Heater-Stirrer	HTS-2013	LMS CO., LTD	Japan	

Hot Plate	D-500	Alfa Tec	Iran	
Ultra Low Temperature Freezer (-80)	U410	New Brunswide Scientific	USA	
LMS Vortex) Mixer Uzusio(Shaker	VTX-3000L	LMS CO., LTD	Japan	
Microspin	Capsulefuge PMG-880	Tomy Kogyo CO., LTD	Japan	
Microspin	KIA8380	Kiagen	Iran	
Water Bath	RE100B	Bibby Sterilin LTD	UK	
Shaker	Wave-sisilim	Taitec	Japan	
Scale (00)	BP1200	Sartorius	Germany	
Scale (0000)	TE214S	Sartorius	Germany	
Thermostat Water Bath	IPX0	Behdad	Iran	
Centrifuge (3000 rpm)	CE05	Pars Azma	Iran	
Inverted microscope	N.A.0.3	CETi	Belgium	
CO₂ Incubator	ICO 105	Memmert	Germany	
Autoclave	Aquarius equipment 300B	dental	Italy	
Liquid Nitrogen Tank	SMR47L127	ATOCEL	Hungary	
Laminar flow hood (Class II)	BSC126	Beast Industrial .Co.		
Laminar flow hood (Class II)		Camsco		
Laboratory Scale	GF-300	AND	Japan	
Ultrasonic Bath	3200ETH-S3	Sonica	Italy	

Microwave Synthesis	-	MicroSyntha	Italy	
Rotary Evaporator	R-210	Heidolph	Germany	
Vacuum Pump	V-700	Buchi	Germany	
Centrifuge	CE05	Pars Azma	Iran	
Drying Oven	B-30	Memert	Germany	
UV Cabinet	CM3	CAMAG	USA	
HPLC pump	D-14163	KNAUER	Germany	
Oven	-	Pars Azma	Iran	
Department of Pharmacognosy				
Rotary evaporator	WBeco	Heidolph	Germany	
Freeze dryer	FDB-5503	Operon	North korea	
Laboratory mill	Sang shekan tous	Sang shekan tous	Iran	
Analytical HPLC	K-2600	Knauer	Germany	
Semiprep HPLC	Wellchrom K-1500	Knauer	Germany	
Oven		Memmert	Germany	
UV spectrometer	UV-1650PC	Shimadzu	Japan	
Invert microscope	Nao.30WD72	Genus	Germany	
Elisa reader	Epoch	Biotek	U.S.A.	
GC-MS	5977A	Agilent	U.S.A.	

Centrifuge	Universal 32	Hettich	Germany	
Laminar flow hood	BSC126	Beasat	Iran	
CO₂ incubator		Memmert	Germany	
Balance	ABJ 120-4M	Kern	Germany	
Nitrogen evaporator	WBAC-12	Arvin bonyan Tajhiz	Iran	