

Analytical

STOCK LIST

Apr.

2025year

*Agilent GC 제품군의 경우 필요에 따라 Auto Sampler를 함께 제공할 수 있습니다.
For Agilent GC system, Auto Samplers may be provided together if necessary.*

< S Y S T E M >

No.	Maker	Item	Model	Vintage	Configuration	Remark
1	Thermo	LC/MS	LCQ Fleet/ UltiMate 3000 HPLC	2016yr	•LCQ Fleet •N2 Generator •Vacuum Pump •UltiMate 3000 HPLC -Bin Pump -Auto Sampler -Column Compartment -Vacuum Degasser -DAD Detector	
2	Waters	LC/MS	QDA/ H-Class Plus UPLC	2021yr	•QDa Detector •N2 Generator •Vacuum Pump •Acquity H-Class Plus UPLC -Quaternary Solvent Manager -Isocratic Solvent Manager -Sample Manager FTN-H -Sample Organizer -Column Manager Aux -Column Manager -PDA Detector	
3	Waters	LC/MS	QDA/ ARC HPLC	2021yr	•QDa Detector •N2 Generator •Vacuum Pump •Acquity ARC HPLC -Quaternary Solvent Manager-R -Isocratic Solvent Manager -Sample Manager FTN-R -30cm Column Heater -2998 PDA Detector	
4	Thermo	LC/MS/MS	TSQ Endura/ Ultimate 3000 HPLC	2016yr	•TSQ Endura MSD •N2 Generator •Vacuum Pump •Ultimate 3000 HPLC -RS Pump -RS Autosampler -RS Column Compartment -RS Detector	

5	Sciex	LC/MS/MS	API3200/ Prominence	2010yr	•API3200 •N2 Generator •Vacuum Pump •Shimadzu Prominence -LC-20AD *3ea -CTO-20AC -DGU-20A5R -CBM-20A -SIL-20AC	
6	Waters	LC/MS/MS	Xevo TQD/ I-Class UPLC	2016yr	•Xevo TQD •N2 Generator •Vacuum Pump •Acquity I-Class UPLC -Solvent Manager -Sample Manager -Sample Organizer -Column Manager	
7	Waters	LC/MS/MS	Xevo TQD/ I-Class UPLC	2014yr	•Xevo TQD •N2 Generator •Vacuum Pump •Acquity I-Class UPLC -Solvent Manager -Sample Manager -Sample Organizer -Column Manager	
8	Waters	LC/MS/MS	Xevo TQD/ H-Class UPLC	2013yr	•XevoTQD •N2 Generator •Vacuum Pump •Acquity H-Class UPLC -Quaternary Solvent Manager -Sample Manager-FTN -Column Heater	
9	Waters	LC/MS/MS	Xevo TQD/ H-Class UPLC		•Xevo TQD •N2 Generator •Vacuum Pump •Acquity H-Class UPLC -Solvent Manager -Sample Manager -Column heater -30cm Column Heater	
10	Waters	LC/MS/MS	Xevo TQ-MS/ Acquity UPLC	2013yr	•Xevo TQ-MS •N2 Generator •Vacuum pump •Acquity UPLC -Binary solvent manager -Sample manager -Column heater	

11	Waters	LC/TOF/MS	Bio Accord/ I-Class Plus UPLC	2020yr	•Acquity Rda Detector •N2 Generator •Vacuum Pump •Acquity I-Class Plus UPLC -Binary Solvent Manager -Sample Manager FTN-I -Column Heater -FLR Detector -TUV Detector	
12	Waters	LC/TOF/MS	Q-TOF Premier/ Acquity UPLC	2013yr	•Q-TOF Premier •N2 Generator •Vacuum Pump •Acquity UPLC -Quaternary Sample Manager -Sample Manager-FTN -Column Manager -30cm Column Heater/Cooler	
13	Agilent	Triple Quad MSD	6490A	2011yr	•G6490A •Vacuum Pump *2ea	
14	Waters	Triple Quad MSD	Xevo TQD	2015yr	•Xevo TQD •N2 Generator •Vacuum Pump	
15	Waters	Triple Quad MSD	Quattro micro API	2007yr	•Quattro Micro API •N2 Supplier •Vacuum Pump	
16	Waters	Triple Quad MSD	Quattro micro API	2005yr	•Quattro Micro API •N2 Supplier •Vacuum Pump	
17	Agilent	GC/MS/MS	7000D-7890B	2019yr	•7000D •7890B GC •7693 ALS	
18	Bruker	GC/MS/MS	SCION TQ/ 450-GC	2012yr	•SCION TQ •450-GC •CP-8400 Autosampler	
19	Agilent	GC/Q-TOF/MS	7200Q-TOF/ 7890B	2015yr	•7200Q-TOF •7890B GC	
20	JEOL	TOF/MS	JMS-T200GC	2017yr	•JMS-T200GC	
21	JEOL	TOF/MS	JMS-T100GC	2015yr	•JMS-T100GCV	
22	Agilent	GC/MS	6890N-5975B	2007yr	•6890N GC •5975B MSD	
23	Agilent	GC/MS	6890N-5975B	2007yr	•6890N GC •5975B MSD	
24	Agilent	GC/MS	6890N-5973N	2004yr	•6890N GC •5973N MSD	

25	Thermo	GC/MS	TraceGC Ultra/ ITQ900	2009yr	•ITQ900 MSD •Vacuum Pump *2ea •TraceGC Ultra GC •Direct Probe Controller	
26	JEOL	Single MSD	JMS-Q1500GC	2019yr	•JMS-Q1500GC MSD	
27	JEOL	Single MSD	JMS-Q1500GC	2017yr	•JMS-Q1500GC MSD	
28	JEOL	Single MSD	JMS-Q1050GC	2012yr	•JMS-Q1050GC MSD	
29	JEOL	Single MSD	JMS-Q1000GC	2008yr	•JMS-Q1000GC MSD	
30	JEOL	Single MSD	JMS-Q1000GC	2007yr	•JMS-Q1000GC MSD	
31	PerkinElmer	ICP-OES	Optima8000	2013yr	•Optima8000 •S10 Autosampler •Chiller •Compressor	
32	Cytiva	FPLC	AKTA pure 25M	2022yr	• AKTA Pure 25M • Fraction collector F9-C • Sample pump S9	
33	Cytiva	filtration	AKTA Flux	2022yr	• AKTA Flux	
34	Agilent	UHPLC	1290 Infinity LC	2010yr	•G4220A Bin Pump •G4226A ALS •G1316C TCC •G4212A DAD	
35	Agilent	HPLC	1260 Infinity LC	2014yr	•G1311C Quat Pump VL •G1329B ALS •G1316A TCC •G1314B VWD VL	
36	Agilent	HPLC	1260 Infinity LC	2012yr	•G1312B Bin Pump •G1367E HiP ALS •G1316C TCC •G1330B Thermostat •G1322A Degasser •G1314F VWD	
37	Agilent	HPLC	1260 Infinity LC	2011yr	•G1312B Bin Pump •G1367E HiP ALS •G1316A TCC •G1330B Thermostat •G1379B μ-Degasser •G1314C VWD VL+	
38	Agilent	HPLC	1260 Infinity LC		•G1312C Bin Pump VL •G1367E HiP ALS •G1316A TCC •G1330B Thermostat •G1322A Degasser •G1314F VWD	

39	Waters	UPLC	Acquity I-Class	2015yr	•Binary Solvent Manager •Sample Manager–FL •Column Manager •30cm Column Heater/Cooler •TUV Detector	
40	Waters	UPLC	Acquity H-Class Plus	2019yr	•Quaternary Solvent Manager •Sample Manager FTN-H •Column Heater •PDA eλ Detector	
41	Waters	UPLC	Acquity H-Class	2018yr	•Quaternary Solvent Manager •Sample Manager–FTN •Column Manager •30cm Column Heater/Cooler •PDA Detector	Upcoming in May.
42	Waters	UPLC	Acquity H-Class	2018yr	•Quaternary Solvent Manager •Sample Manager–FTN •Column Manager •Column Manager Aux •PDA Detector	Upcoming in May.
43	Waters	UPLC	Acquity H-Class	2013yr	•Quaternary Solvent Manager •Sample Manager–FTN •Column Manager •30cm Column Heater/Cooler •PDA eλ Detector	
44	Waters	UPLC	Acquity H-Class	2012yr	•Quaternary Solvent Manager •Sample Manager–FTN •Sample Organizer •Column Heater •30cm Column Heater/Cooler •TUV Detector •FLR Detector	
45	Waters	UPLC	Acquity H-Class	2011yr	•Quaternary Solvent Manager •Sample Manager–FTN •Column heater •TUV Detector	
46	Waters	UPLC	Acquity M-Class	2014yr	•μBinary Solvent Manager •μSample Manager–FL •TUV Detector •Flex Cart	
47	Waters	UPLC	Acquity UPLC	2011yr	•Binary Solvent Manager •Sample Manager •Column Heater •PDA Detector	
48	Waters	UPLC	Acquity UPLC	2010yr	•Binary Solvent Manager •Sample Manager •Column Heater •TUV Detector	

49	Waters	UPLC	Acquity UPLC	2008yr	•Binary Solvent Manager •Sample Manager •Column Heater •PDA eλ Detector	
50	Waters	UPLC	Acquity UPC2	2017yr	•Binary Solvent Manager •Sample Manager-FL •Column Manager •Column Manager Aux •Convergence Manager •PDA Detector •Pump Control Module •515 HPLC Pump •SUPMM	
51	Waters	HPLC	Prep15 LC	2017yr	•SP •SUPMM	
52	Waters	HPLC	Acquity ARC	2018yr	•bioQuaternary Solvent Manager-R •bioSample Manager FTN-R •30cm Column Heater •2998 PDA Detector	
53	Waters	HPLC	Alliance e2695(Blue)	2013yr	•e2695(Blue) •30cm Column Heater •2489 UVD Detector	
54	Waters	HPLC	Alliance e2695(White)	2011yr	•e2695(White) •30cm Column Heater •2489 UVD Detector	
55	Waters	HPLC	Alliance e2695(White)	2011yr	•e2695(White) •30cm Column Heater	
56	Sciex	HPLC	Ekspert Nano LC 425	2022yr	•Ekspert NanoLC 425 Bin Pump with loading pump •Ekspert NanoLC 400 Auto Sampler •Solvent tray	
57	Thermo (Dionex)	IC	Integrion HPIC	2018yr	•Integrion HPIC (Cation) •AS-AP Autosampler •Degasser •Column Thermostat •Electrical Conductivity Detector CD w/Cell •Detector Compartment Temperature Control •Dongle	
58	Thermo	IC	ICS-2100	2015yr	•ICS-2100 •AS-AP	
59	Agilent	GC	Intuvo 9000	2018yr	•Intuvo 9000 (FID) •7650A Auto injector	
60	Agilent	GC	7890A	2010yr	•7890A GC (no Detector)	

61	Agilent	GC	6890A	2010yr	•6890A GC (LTM, FID) •LTM Power Supply •Controller	
62	Shimadzu	GC	GC-2010	2002yr	•GC-2010 (FID, S/SL) •AOC-20i Auto injector	
63	Agilent	AAS	240Z	2015yr	[Graphite Furnace type] •240Z AA •PSD 120 Programmable Sample Dispenser •GTA 120 Graphite Tube Atomizer •Chiller	
64	Agilent	UV-VIS	Cary 60	2013yr	•Cary60	
65	Thermo	UV-VIS	Orion AquaMate 7100	2020yr	•Orion AquaMate 7100	
66	Shimadzu	UV-VIS	UV-2600i	2021yr	•UV-2600i	
67	Shimadzu	UV-VIS	UV-2600	2017yr	•UV-2600	
68	Shimadzu	UV-VIS	UV-2600	2015yr	•UV-2600	
69	Bruker	ALS	CP-8400	2012yr	•CP-8400 Autosampler	
70	Agilent	HSS	G1888	2006yr	•G1888	
71	GLSciences	Purge&Trap	Aqua PT 6000	2012yr	•Aqua PT 6000 P&T •Aqua PT AS6100 Autosampler	
72	GLSciences	Purge&Trap	Aqua PT 5000J Plus	2007yr	•Tekmar Aqua PT 5000J Plus P&T •Tekmar Aqua Auto70 Autosampler •Vial Cooling Set (w/Chiller)	
73	OI Analytical Eclipse	Purge&Trap	4660 P&T	2010yr	•4660 P&T	
74	OI Analytical Eclipse	Purge&Trap	4660 P&T	2009yr	•4660 P&T	
75	GL Science	Canister Concentration System	AERO Tower System ACS-2100	2016yr	•CS 2120 (Canister Autosampler) •CC 2110 (Sample Concentration Introduction Device) •CC 2180 (Canister Cleaner)	
76	Beckman Coulter	FACS	MoFlo Astrios EQ	2018yr	•MoFlo Astrios EQ	
77	LNI	Air Generator	Zero Air		ZA-6L-EU	
78	Velp Scientifica	Automatic Kjeldahl Nitrogen Protein Analyzer	UDK-149	2016yr	•UDK149	

79	Agilent	Bio Analyzer	Bioanalyzer 2100	2013yr	•Bioanalyzer 2100	
80	Agilent	Bio Analyzer	Bioanalyzer 2100	2008yr	•Bioanalyzer 2100	
81	Beckman Coulter	DNA Sequencer	GenomeLab GeXP Basic	2013yr	•GenomeLab GeXP Basic	
82	Horiba	Hydrogen Generator	OPGU-2200	2009yr	•OPGU-2200	
83	Beckman Coulter	Laboratory Automation Workstation	Biomek 3000		•Biomek 3000	
84	Beckman Coulter	Nucleic Acid Extractor	SPRI-TE		•SPRI-TE	
85	Shinsaeng	Reverse Osmosis & Up Water Purification System	SWPS-3001		•SWPS-3001	
86	Biochrom	Microplate Reader	ASYS UVM 340		•ASYS UVM 340	
87	JEIO Tech	Recipro Shaker	RS-1		•RS-1	
88	Scientific Industries	Vortex Mixer	Vortex-Genie2		•Vortex-Genie2	
89	Beckman Coulter	Particle Counter	MET ONE 3445	2016yr	•MET ONE 3445	
90	Thermo	Personal Genome Machine	ION-PGM	2014yr	•Ion Torrent PGM •Ion OneTouchES •Ion OneTouch 2 •APC SMART-UPS 1500	
91	Millipore	Water Purification System	ICW-3000		•ICW-3000	
92	Crossge	UPS	HFU-TM	2022yr	15KVA	
93	Crossge	UPS	KR1110L	2022yr	10KVA	
94	ISTECH	UPS	SHTX-1110	2022yr	10KVA	
95	Jung Nam	UPS	YES - 2100	2022yr	10KVA	
96	Jung Nam	UPS	YES - 2100	2022yr	10KVA	

< M O D U L E >						
No.	Maker	Item	Model	Vintage	Configuration	Remark
1	Agilent	LC(Module)	APCI	2015yr	G1947B (1200 Series)	
2	Agilent	LC(Module)	Thermostat Clin. ed.		K1330B (1200 Series)	
3	Agilent	LC(Module)	Thermostat	2016yr	G1330B (1200 Series)	
4	Agilent	LC(Module)	HiP Dagasser	2012yr	G4225A (1200 Series)	
5	Agilent	LC(Module)	instant pilot	2015yr	G4208A (1200 Series)	
6	Agilent	LC(Module)	instant pilot	2011yr	G4208A (1200 Series)	
7	Agilent	LC(Module)	instant pilot	2008yr	G4208A (1200 Series)	
8	Agilent	LC(Module)	TCC		G1316A (1100 Series)	
9	Agilent	LC(Module)	VWD Detector		G1314A (1100 Series)	
10	Agilent	LC(Module)	instant pilot		G2629A (1100 Series)	
11	Agilent	LC(Module)	instant pilot		G1323B (1100 Series)	
12	Waters	LC(Module)	PDA e λ Detector	2012yr	Acquity UPLC	
13	Waters	LC(Module)	PDA eλ Detector	2011yr	Acquity UPLC	
14	Waters	LC(Module)	PDA Detector	2007yr	Acquity UPLC	
15	Waters	LC(Module)	TUV Detector	2012yr	Acquity UPLC	
16	Waters	LC(Module)	TUV Detector	2012yr	Acquity UPLC	
17	Waters	LC(Module)	2996 PDA Detector	2007yr	Alliance HPLC (White)	
18	Waters	LC(Module)	2487 UVD Detector	2006yr	Alliance HPLC (White)	
19	Waters	LC(Module)	2487 UVD Detector	2005yr	Alliance HPLC (White)	
20	Waters	LC(Module)	30cm Column Heater	2005yr	Alliance HPLC (White)	
21	Shimadzu	LC(Module)	High Pressure Switching Valve	2020yr	FCV-20AH2 BLK	
22	Senshu Scientific	LC(Module)	Column Oven		SSC-2300	※not Used
23	Agilent	GC(Module)	FID Detector	2022yr	FID Detector (8890 GC)	
24	Agilent	GC(Module)	PFPD Detector	2012yr	PFPD Detector (7890 GC)	

Price is being negotiated (not secured/매입 검토중)

No.	Maker	Item	Model	Vintage	Configuration	Remark
1	Agilent	GC/MS/MS	7000D-7890B	2019yr	•7000D MSD •7890B GC •7693A ALS	
2	Agilent	GC/MS	7890B-5977B	2018yr	•7890B GC •5977B MSD •Turbo Pump •7693 ALS	
3	Shimadzu	GC/MS/MS	GCMS-TQ8040	2017yr	•GCMS-TQ8040 •Auto injector AOC-20i •Auto sampler AOC-20S	
4	Shimadzu	GC/MS	GCMS-QP2020	2017yr	•GCMS-QP2020 •Auto sampler AOC-6000	
5	Shimadzu	LC/MS	LCMS-2020	2020yr	•LCMS-2020	Upcoming in May.
6	Shimadzu	HPLC	Prominence	2018yr	•LC-20AD *2ea •Column Oven CTO-20AC •Auto Sampler SIL-20ACHT UFLC •System Controller CBM-20A •Degasser DGU-20A5R •UV-VIS Detector SPD-20A UFLC	
7	Shimadzu	HPLC	Prominence	2019yr	•LC-20ADSP •Column Oven CTO-20AC •Auto Sampler SIL-20AC •System Controller CBM-20A •Degasser DGU-20A3R •Conductivity Detector CDD-10AVP	Upcoming in May.
8	Shimadzu	LC(Module)	RF-20A	2010yr	•RF-20A	
9	Sciex	LC/MS/MS	Triple Quad 4500/ Prominence HPLC	2016yr	•Triple Quad 4500 •N2 Generator •Prominence -LC20AD *2ea -CTO20A -SIL20ACHTUFLC -CBM20A -DGU20A5R	Upcoming in May.
10	Waters	LC/TOF/MS	Vion IMS QTof/ I-Class UPLC	2018yr	•Vion IMS QTof •Acquity I-Class UPLC -Binary Solvent Manager -Sample Manager -Column Heater -ePDA Detector	

11	Waters	LC/MS/MS	Xevo TQ-XS/ I-Class UPLC	2018yr	•Xevo TQ-XS •Acquity I-Class UPLC -Binary Solvent Manager -Sample Manager -Column Manager CM-A - e λ PDA Detector	
12	Waters	LC/MS/MS	Xevo TQ-S Micro/ Acquity UPLC	2016yr	•Xevo TQ-S Micro •Acquity UPLC -Solvent Manager -Sample Manager -Column Heater	
13	Waters	LC/MS/MS	TQD/ Acquity UPLC	2009yr	•TQD •Acquity UPLC -Binary Solvent Manager -Sample Manager -Column Heater -PDA Detector -FLR Detector	
14	Waters	LC/MS	QDA/ H-Class Plus UPLC	2019yr	•QDa •Acquity H-Class Plus UPLC -Quaternary Pump -Auto Sampler -Column Heater -e λ PDA Detector	
15	Waters	UPLC	Acquity H-Class		•Quaternary Solvent Manager •Sample Manager–FTN •Column Heater •TUV Detector	※not Used
16	Waters	UPLC	Acquity UPLC	2018yr	•Quaternary Solvent Manager •Sample Manager–FTN •Column Manager •30cm Column Heater/Cooler •PDA Detector	
17	Waters	UPLC	Acquity UPLC	2018yr	•Quaternary Solvent Manager •Sample Manager •Column Manager •TUV Detector	
18	Shimadzu	XRF	EDX-7000	2016yr	Energy Dispersing type, RoHs, Halogen, Antimon, Screening Analysis Kit EDX Data Processing Notebook	
19	Shimadzu	FT-IR	IRAffinity-1S	2020yr	•IRAffinity-1S FTIR •QATR-10 (Diamond Prism) •Gas Cell 50mm	Upcoming in May.
20	Agilent	FT-IR	CARY630	2020yr	FTIR, KBr Option, Gas Cell 50mm, DiamondATR, Transmission Module	Upcoming in May.
21	Hitachi	Fluorescence Spectrophotometer	F-2700	2019yr	•F-2700	

22	Shimadzu	Autograph	AGX-10kNVD	2020yr	•AGX-10kNVD	
23	Shimadzu	AAS	AA7000/GFA-7000A	2017yr	•AA7000/GFA-7000A •ASC-7000 ALS •Chiller	
24	Shimadzu	UV-VIS	UV-2700		•UV-2700	
25	Thermo	IC	Integrion HPIC		•Integrion HPIC(Anion)	
26	Shimadzu	TOC	TOC-LCSH		•TOC-LCSH	
27	Shimadzu	AAS	AA-7000	2012yr	•AA-7000	
28	Shimadzu	GC	GC-2014	2014yr	•GC-2014 •HS-20	
29	Shimadzu	GC	GC-2014AF		•GC-2014AF	
30	Shimadzu	UV-VIS	UV-3100		[Measurable wavelength range : 240-2600 nm] •UV-3100 •MPC-3100 •BIS-3100 •ASR-3105/ASR-3112	
31	Shimadzu	UV-VIS	UVmini-1240		•UVmini-1240	
32	Beckman Coulter	UV-VIS	DU730		•DU730	
33	Shimadzu	AAS	AA-6300		•AA-6300	
34	Shimadzu	UV-VIS	UV-2450	2009yr	•UV-2450	
35	JASCO	FT-IR	VIR100		•VIR100 •SMTAS-150-AS	

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* 홈페이지(게시판 문의) www.skylab.co.kr

* 이메일 문의 info@skylab.co.kr

* 전화 문의 031-387-2727