

	Equipment/Apparatus/Device	Manufacturer	Model	Establishment	Remarks	For Internal Users	For External Users in	For External Users		Expendable Supplies for Measurement
						(Kochi Univ.)	Academic	Charge	First Time Charge including Lecture	
Nondestructive Measurement	X-ray CT scanner	Toshiba Medical Systems Corporation	Aquilion New PRIME Focus Edition	2017		2,000 JPY/day	7,500 JPY/30min	23,000 JPY/30min	96,000 JPY/day	
	Micro-Focus X-ray CT Scanner (TESCO)	TESCO	HMX225-ACTIS+5	2003		1,900 JPY/day	1,900 JPY/hour	5,800 JPY/hour	19,600 JPY/day	
	Micro-Focus X-ray CT Scanner (ZEISS)	ZEISS	Xradia	2016		2,000 JPY/day	9,350 JPY/30min	28,000 JPY/30min	120,000 JPY/day	
	Multi Sensor Core Logger	Geotek	MSCL-S	2003		2,000 JPY/day	3,800 JPY/hour	15,000 JPY/hour	36,000 JPY/day	
	Color Spectrophotometer Sensor System	Geotek	MSCL-XYZ	2003		2,000 JPY/day	3,000 JPY/hour	12,000 JPY/hour	27,000 JPY/day	
	Core Image Scanner	Alphacom		2003		500 JPY/day	500 JPY/hour	2,000 JPY/hour	7,000 JPY/day	
	XRF Core Scanner (JEOL)	JEOL	JSX-3600CAZ TATSCAN-F2	2003		2,000 JPY/day	2,000 JPY/hour	6,100 JPY/hour	17,200 JPY/day	Film: 500JPY/meter
	XRF Core Scanner (COX)	COX Analytical Systems	ITRAX	2014		2,000 JPY/day	7,200 JPY/hour	22,000 JPY/hour	48,000 JPY/day	Film: 500JPY/meter
Physical Property	Ultrasonic Propagation Velocity Measuring Instrument	OYO Corporation	Sonic-Viewer SX	2003		300 JPY/day	300 JPY/hour	1,000 JPY/hour	8,000 JPY/day	
	Pentapycnometer	Quantachrome Instrument	PPYC-KU	2003		300 JPY/day	300 JPY/hour	900 JPY/hour	6,400 JPY/day	
	Particle Size Analyzer	Malvern Instruments	Mastersizer 2000	2003		500 JPY/day	500 JPY/hour	1,400 JPY/hour	8,200 JPY/day	
	Refractive Index Measurement using the Thermal Immersion Method	Kyoto Fission Track	RIMS2000	2003		1,100 JPY/day	1,100 JPY/hour	4,200 JPY/hour	14,400 JPY/day	
Magnetic Measurement	Pass-through Superconducting Magnetometer for U-Channel Samples	2G	Model 760R (U-channel)	2003		2,000 JPY/day	2,800 JPY/hour	8,400 JPY/hour	26,200 JPY/day	
	Thermal Demagnetizer	Natsuhara-Giken	TDS-1	2003	Possible to have vaccum heating in around 10 Pa	500 JPY/day	500 JPY/hour	1,600 JPY/hour	12,400 JPY/day	
	Alternating Field (AF) Demagnetizer	Natsuhara-Giken	DEM-95	2003		500 JPY/day	500 JPY/hour	1,600 JPY/hour	12,600 JPY/day	
	Spinner Magnetometer	Natsuhara-Giken	SMD88	2003		500 JPY/day	500 JPY/hour	1,600 JPY/hour	12,600 JPY/day	
	Magnetic Property Measurement System (MPMS)	Quantum Design	MPMS-XL5	2003		2,000 JPY/day	2,100 JPY/hour	6,300 JPY/hour	21,800 JPY/day	
	Vibrating Sample Magnetometer (VSM)	Lake Shore	MicroMag 3900 VSM	2003		1,400 JPY/day	1,400 JPY/hour	4,300 JPY/hour	18,000 JPY/day	
	Magnetic Balance	Natsuhara-Giken	NMB-89	2003		600 JPY/day	600 JPY/hour	1,800 JPY/hour	13,000 JPY/day	
	Pulse Magnetizer	Magnetic Measurements	MMPM10	2003		500 JPY/day	500 JPY/hour	1,500 JPY/hour	12,200 JPY/day	
	Alternating Gradient magnetometer	Lake Shore	MicroMag 2900 AGM	2000		1,000 JPY/day	1,000 JPY/hour	3,000 JPY/hour	15,400 JPY/day	
	Kappabridges for Measurements of Magnetic Susceptibility	AGICO	KLY-4S, CS3	2003	Impossible under Ar atmosphere	700 JPY/day	700 JPY/hour	2,200 JPY/hour	13,600 JPY/day	
Geochemistry	Three Frequency Kappabridges for Measurements of Magnetic Susceptibility	AGICO	MFK1-FA, CS4, CS-L	2014	Impossible under Ar atmosphere	1,400 JPY/day	1,400 JPY/hour	4,100 JPY/hour	17,600 JPY/day	
	Inductively Coupled plasma atomic emission spectrometer, desktop style (ICP AES)	PerkinElmer	Optima4300DV CYCRON	2003		1,100 JPY/day	2,200 JPY/day	4,400 JPY/day	-	Argon(Ar) gas: 1500JPY/hour
	Ion Chromatograph (IC)	Dionex	ISCS-1500	2009		600 JPY/day	1,200 JPY/day	2,400 JPY/day	-	Colum for analysis: 2000JPY/day
	Density/Specific Gravity Meter	KYOTO ELECTRONICS MANUFACTURING	DA-650	2011		600 JPY/day	1,200 JPY/day	2,400 JPY/day	-	
	UV-VIS Spectrometer	SHIMADZU	UV-2550PC	2003		200 JPY/day	200 JPY/hour	800 JPY/hour	13,600 JPY/day	
	UV-VIS Spectrometer with temperature and pressure controller	JASCO	V-650	2008		500 JPY/day	1,000 JPY/day	2,000 JPY/day	-	
	Fluorometer with temperature controller	JASCO	FP-6500	2009		500 JPY/day	1,000 JPY/day	2,000 JPY/day	-	
	Gas Chromatograph (GC)	Agilent	6890N, 7890B	2003 2017		500 JPY/day	500 JPY/hour	2,100 JPY/hour	16,200 JPY/day	
	Carbon Analysis Coulometer	UIC	CM5012	2003		1,200 JPY/day	1,200 JPY/hour	4,600 JPY/hour	12,200 JPY/day	
	Organic Elemental Analyzer	ThermoFinnigan	Flash EA1112	2003		1,000 JPY/day	1,000 JPY/hour	3,900 JPY/hour	19,800 JPY/day	
	High-Speed Solvent Extraction Device	ThermoScientific	Dionex ASE-350	2016		800 JPY/day	800 JPY/hour	3,100 JPY/hour	9,200 JPY/day	
	High-Speed Concentration Device	Zymark	Turbo Vap LV	2003		200 JPY/day	200 JPY/hour	700 JPY/hour	4,400 JPY/day	
	preparative Fraction Collector gas chromatography	Agilent	6890+PFC	2003		1,200 JPY/day	1,200 JPY/hour	4,700 JPY/hour	21,400 JPY/day	
X-ray Analysis	X-ray Diffractometer (XRD)	Spectris	X'pert-PRO	2003		800 JPY/day	800 JPY/hour	2,400 JPY/hour	14,800 JPY/day	
	X-ray Fluorescence Spectrometer (XRF)	Spectris	Magix PRO PW2440/00	2003		1,200 JPY/day	1,200 JPY/hour	3,700 JPY/hour	17,400 JPY/day	
Spectral Analysis	Micro Laser Raman Spectrometer	Horiba Jobin Yvon inc	T64000	2003		1,000 JPY/day	1,000 JPY/hour	3,000 JPY/hour	10,800 JPY/day	
	Gamma-ray spectrometer	Princeton Gamma-Tech Instruments	GWL-120-15	2003		500 JPY/day	500 JPY/hour	1,600 JPY/hour	8,600 JPY/day	

	Equipment/Apparatus/Device	Manufacturer	Model	Establishment	Remarks	For Internal Users	For External Users in Academic	For External Users		Expendable Supplies for Measurement	
						Charge	Charge	Charge	First Time Charge including Lecture		
Biological Analysis	Gene Amplifier	appliedbiosystems	GeneAmp PCR	2003		500 JPY/day	500 JPY/hour	1,400 JPY/hour	12,200 JPY/day		
	DNA Sequencer	appliedbiosystems	ABI PRISM 3130xl	2003	Acceptable after reaction and purification of samples	3,400 JPY/run	3,600 JPY/run	6,000 JPY/run	15,400 JPY/day		
	High Performance Liquid Chromatograph	SHIMADZU	LC-10VP	2003		600 JPY/day	600 JPY/hour	1,800 JPY/hour	13,000 JPY/day		
	Fluorescent Microscopy	Olympus	BX-51-34-FLD1-SP&DP-50-B	2003		200 JPY/day	200 JPY/hour	600 JPY/hour	3,400 JPY/day		
	Fluorescent Objective Microscope	Olympus	SZX12-RFL3-1&DP12-B	2003		200 JPY/day	200 JPY/hour	500 JPY/hour	3,400 JPY/day		
	Fluorescent Phase Contrast Microscope	Olympus	BX-51-34-FLD1-SP	2003		200 JPY/day	200 JPY/hour	600 JPY/hour	3,400 JPY/day		
	Inverted Fluorescent Microscope	Carl Zeiss MicroImaging Japan	Axiocvert(V200M-FU/PH/DIC)+Axiocam HR	2003		300 JPY/day	300 JPY/hour	1,000 JPY/hour	4,400 JPY/day		
	γ-ray Imaging Analyzer	FUJI FILM	BAS2500	2003		600 JPY/day	600 JPY/hour	1,800 JPY/hour	14,400 JPY/day		
	Fluorescence Imaging Analyzer	FUJI FILM	FLA3000G	2003		800 JPY/day	800 JPY/hour	2,400 JPY/hour	15,600 JPY/day		
Surface Analysis / Microscopes	Field-Emission Scanning Electron Microscope (FE-SEM)	JEOL	JSM-6500F	2003	Write the request in application form when using EBSD	2,000 JPY/day	2,100 JPY/hour	6,300 JPY/hour	17,400 JPY/day		
	Electron Probe Microanalyzer (EPMA)	JEOL	JXA-8200	2003		2,000 JPY/day	2,200 JPY/hour	6,500 JPY/hour	23,600 JPY/day		
	Confocal Laser Scanning Microscope (CLMS)	Zeiss	LSM510META	2003		2,000 JPY/day	2,400 JPY/hour	7,200 JPY/hour	23,800 JPY/day		
	Universal Photo Microscope		Zeiss	Axiophoto2(PH2-DIC)	2003						
			Zeiss	Axiophoto2(PH2-FL/Ph/DIC)	2003		300 JPY/day	300 JPY/hour	900 JPY/hour	7,000 JPY/day	
			Zeiss	Axioplan 2 Imaging E(P2IE-FU/Ph/DIC)	2003						
	Stereomicroscope		Carl Zeiss MicroImaging Japan	Stemi SV6	2003						
			Carl Zeiss MicroImaging Japan	Stemi SV11	2003		100 JPY/day	100 JPY/hour	300 JPY/hour	3,200 JPY/day	
	(Stereomicroscope for the Observation of Two People)		Carl Zeiss MicroImaging Japan	Stemi SV11	2003						
	Polarizing Microscope		Carl Zeiss MicroImaging Japan	Axiolab Pol(LABPOL-T/RS)	2003						
			Carl Zeiss MicroImaging Japan	Axiolab Pol(LABPOL-T1)	2003						
			Carl Zeiss MicroImaging Japan	Axioplan2 Imaging Pol (P2IPOL-T/R2)	2003		200 JPY/day	200 JPY/hour	600 JPY/hour	6,600 JPY/day	
		Carl Zeiss MicroImaging Japan	Axiophoto2(PH2-FL/Ph/DIC)	2003							
Polarizing Microscope with image combining system	Leica	DM6000 / PowerMosaicPlus	2014		1,100 JPY/day	1,100 JPY/hour	4,300 JPY/hour	11,600 JPY/day			
Digital Microscope	Keyence	VHX-2000	2014		1,200 JPY/day	1,200 JPY/hour	4,700 JPY/hour	12,400 JPY/day			
Mass Spectrometry	Isotope Ratio Mass Spectrometer (IR-MS)	Thermo Fisher Scientific.	MAT253	2003		2,000 JPY/day	2,200 JPY/hour	6,600 JPY/hour	15,600 JPY/day		
	Stable Isotope Analysis (IR-MS)	Isoprime	IsoPrime	2003		2,000 JPY/day	4,300 JPY/hour	17,000 JPY/hour	37,000 JPY/day		
	Thermal Ionization Mass Spectrometer (TIMS)	Thermo Fisher Scientific	TRITON	2003	Only Sr, Nd; Ask us more details	2,000 JPY/day	2,600 JPY/hour	7,800 JPY/hour	25,000 JPY/day		
	Gas Chromatograph/Mass Spectrometer with Thermal Desorption Equipments (GC/MS)	Agilent	6890+5973N	2003		2,000 JPY/day	2,000 JPY/hour	7,900 JPY/hour	27,800 JPY/day		
	Elemental Analyzer/Isotope Ratio Mass Spectrometer (EA/IRMS)	Thermo Finnigan	Finnigan DELTA plus Advantage	2003		2,000 JPY/day	2,800 JPY/hour	11,000 JPY/hour	34,000 JPY/day		
	Gas Chromatograph/Combustion Isotope Ratio Mass Spectrometry(GC/IRMS)	Thermo Finnigan	Finnigan DELTA plus XP	2003		2,000 JPY/day	4,500 JPY/hour	18,000 JPY/hour	48,000 JPY/day		
	Double-Focusing High Resolution ICP Multi-Collector Mass Spectrometer (ICP-MC-MS)	Thermo Fisher Scientific	NEPTUNE	2003	Only Pb; Ask us more details	2,000 JPY/day	3,400 JPY/hour	10,000 JPY/hour	29,600 JPY/day	Argon(Ar) Gas: 1500JPY/hour	
	Quadrupole Inductively Coupled Plasma Mass Spectrometer (ICP-MS)	PerkinElmer	ELAN-DRCII	2003		2,000 JPY/day	4,000 JPY/day	8,000 JPY/day	-	Argon(Ar) Gas: 1500JPY/hour	
Others	Pressure Resistant Tester	KIMOTO ELECTRIC	ST-08	2008		500 JPY/day	1,000 JPY/day	2,000 JPY/day	-	Communication Network if necessary: 500JPY/day	
	Temperature controlled room	Dalton	MCU-T1020	2014	Ask us more details	500 JPY/day	1,000 JPY/day	2,000 JPY/day	-		
	3D Printer	Markforged	MARK TWO	2016		750 JPY/day	1,500 JPY/day	3,000 JPY/day	-	Nylon: 100JPY/cm3 Carbon:1500JPY/cm3	
	3D Printer (for ABS resin)	xyz printing	da Vinci 1.0 Pro	2017		250 JPY/day	500 JPY/day	1,000 JPY/day	-	ABS resin: 30JPY/m	
	3D Printer (for PLA resin)	xyz printing	da Vinci mini	2017		200 JPY/day	300 JPY/day	600 JPY/day	-	PLA resin: 20JPY/m	