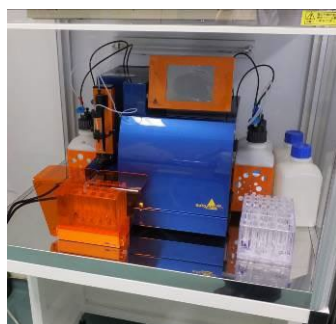
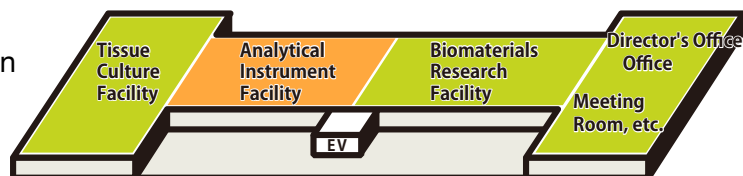


# Analytical Instrument Facility

Building 3  
2nd Floor

This facility meets the needs to obtain knowledge about the type of substances and its content, chemical structure, and existential state. Equipped with biological molecular interaction analyzers, X-ray diffractometer, imaging system, real-time PCR system, high performance liquid chromatography, spectrophotometer, ultracentrifuge, etc.



## autoMACS Pro Separator (Miltenyi Biotec)

A computer-controlled automated magnetic cell separation device using MACS technology, which is fully automated from magnetic labeling to separation of samples. It allows high speed and high purity continuous cell separation up to 6 samples.



## Real-time PCR system Step One Plus

Device to measure real-time polymerase chain reaction (PCR) amplification. It is used for gene expression, SNPs typing base information, genetic recombinant food testing, detection of viruses and pathogens, and analysis of the number of copies of introduced genes.



## FACSVerse™ Flow cytometer (Beckton Dickinson)

A cell analyzer that uses up to 8 parameters with 3 types of lasers (488 nm/640 nm/405 nm). Apoptosis, cell cycle, cell proliferation, and cytokine detection are possible by using a special reagent kit. There are also FACSCalibur™ and FACSria™ cell sorter in the facility.