

Dental biology facility

It is equipped with a gene introduction device, nucleic acid extraction device, Sanger sequencer, 454 GS Junior System (the next generation sequencer), etc. to conduct basic dental medicine research, mainly genetic analysis. A cell sorter to analyze gene expression and to examine the relationship with functional differentiation of cells is installed in the analytical equipment facility.



Sequence system GSjunior (Roche Diagnostics)

A bench-top size sequencer that enables analysis of bacterial genome information and human gene polymorphism/expression analysis.



Spiral plater EDDY JET2 (IUL)

Automatic plater capable of sucking a sample to a spiral smear on an agar plate by using a dedicated disposable microsyringe.



High-speed cooling centrifuge himac CR22G (HITACHI)

High-speed cooling centrifuge capable of using from 15 mL of conical tube to 1.5 L dedicated bottle by replacing rotors.