



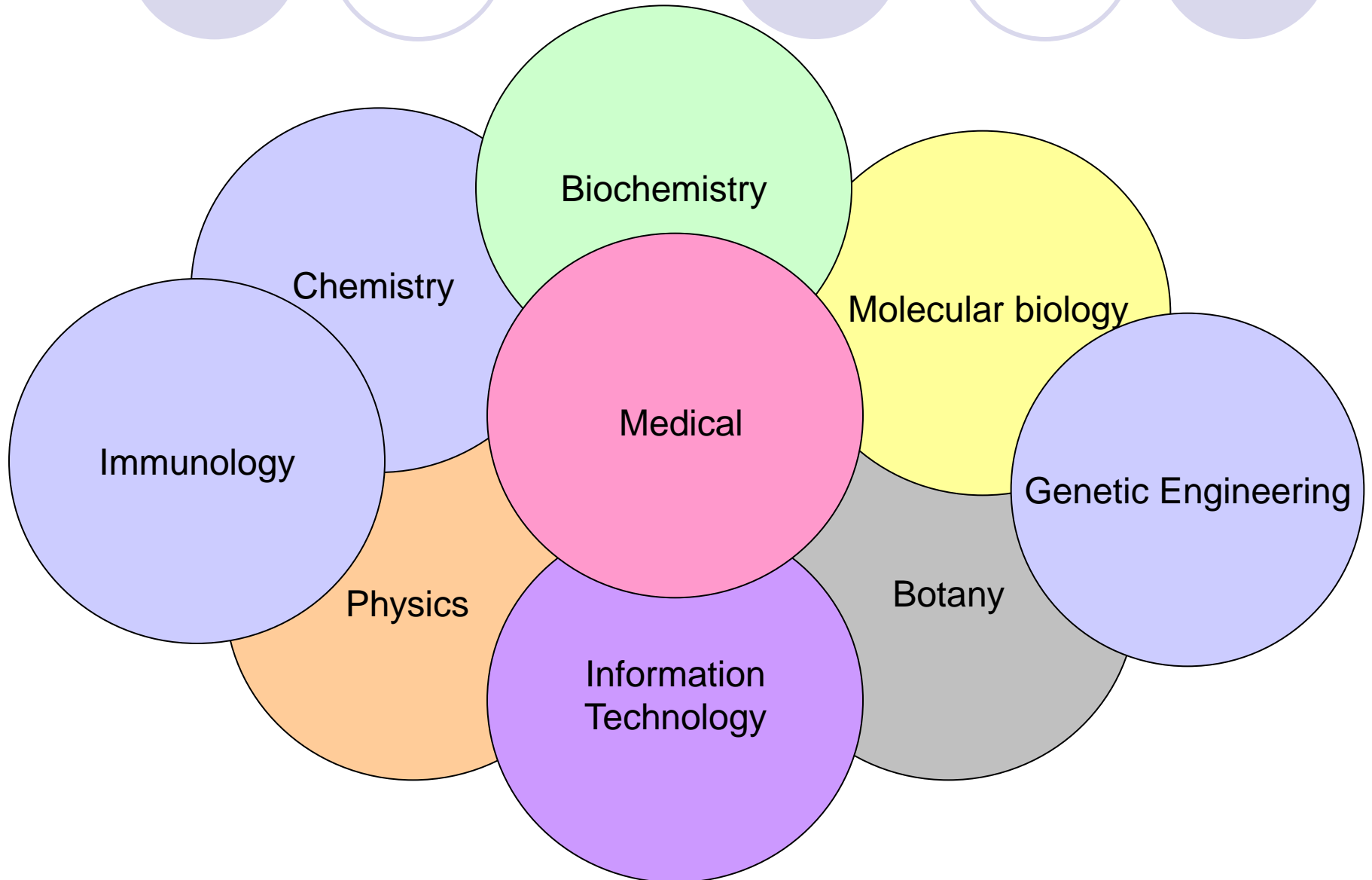
Introduction of EYELA laboratory equipment

EYELA

TOKYO RIKAKIKAI CO., LTD.

Singapore Rep. Office

Life Science





Laboratory equipment

- PCR (Thermal cycler, SDS PAGE Electrophoresis)
- Centrifuge
- Electro-microscope
- Spectrophotometer
- Pipette
- Electronic balance

Laboratory equipment



- Evaporators (Rotary Evaporator, Centrifugal Evaporator)
- Incubator (37°C temperature, Refrigerated, Illuminated)
- Dry Block Baths
- Water Baths
- Water Purifier (Water deionizer)
- Hybridization Oven
- Shakers (Room temperature, Incubation shaker)
- Liquid Chromatography
- Ovens (Vacuum Oven, Convection Oven)
- Sterilizers
- Personal Organic synthesizer
- Fermentors
- Freeze Dryers

Evaporators

Rotary Evaporator

Widely used for the sample concentration mainly for removing the solvents from the extracted sample solution.



Rotary Evaporator



Basic System

Rotary Evaporator Model N-1000S-W

Recirculating Chiller Model CCA-1110

Aspirator Model A-3S

Vacuum regulator with gauge VG-1

Cooling coil SUS

Vacuum hose

Circulation hose x 3 pcs.

Centrifugal Evaporator

Common equipment for molecular biology. Mainly used for removing the solvents such as ethanol, chloroform from extracted DNA or RNA.



Incubator

Maintains constant temperature (mostly at 37°C) for the culture of transformed colon bacilli or bacteria.



Dry Block Bath

Constant temperature bath which is mainly used for general genetic operation such as cutting the DNA chain, ligation, and transforming the bacilli. Temperature attaining time is short and contamination free due to not using the water. It's also convenient for micro volume enzyme reaction.



Water Bath

Frequent daily used for maintaining the constant temperature (normally at 37°C) for dissolve the frozen cell and warm up the stored medium.

There are a variety of water bath such as digital type, immersion type, program high precision type depending on the purposes.



Water Purifier

Produces deionized water or distilled water.

Basic equipment for all kinds of laboratory purposes.



Hybridization Oven

Constant temperature incubator with shaker function. Can select the bottle rotation motion or seesaw shaking motion so it's convenient for northern, southern, and western blotting.



Shakers

Used for the culture of transformed large or small volume colon bacilli during cloning or sub-cloning.

It also used for ethidium bromide staining or bleach or washing after electrophoresis or removal of non-linked probe after southern or northern hybridization.

There are reciprocal motion shaker, orbital motion shaker, and incubation shaker.



Liquid Chromatography

Commonly used technique for the separation of sample.

A variety of liquid chromatography equipment from LPLC, MPLC, HPLC, DCC, and RLCC depending on the purposes.



Ovens

Convection oven

Commonly used for drying purposes such as sample as well as laboratory glassware.

There are a variety of ovens from small to big capacity, gravity convection to forced convection and with or without the view window.



Vacuum Oven

Used for the baking of transferred DNA.

A variety from small to big capacity.



Sterilizer

Natural Sterilizer

Although normal required sterilize condition is 160°C for 2 hours, it can attain tougher condition like 180°C for more than 8 hours to process glassware and spoons RNase free for northern blotting.

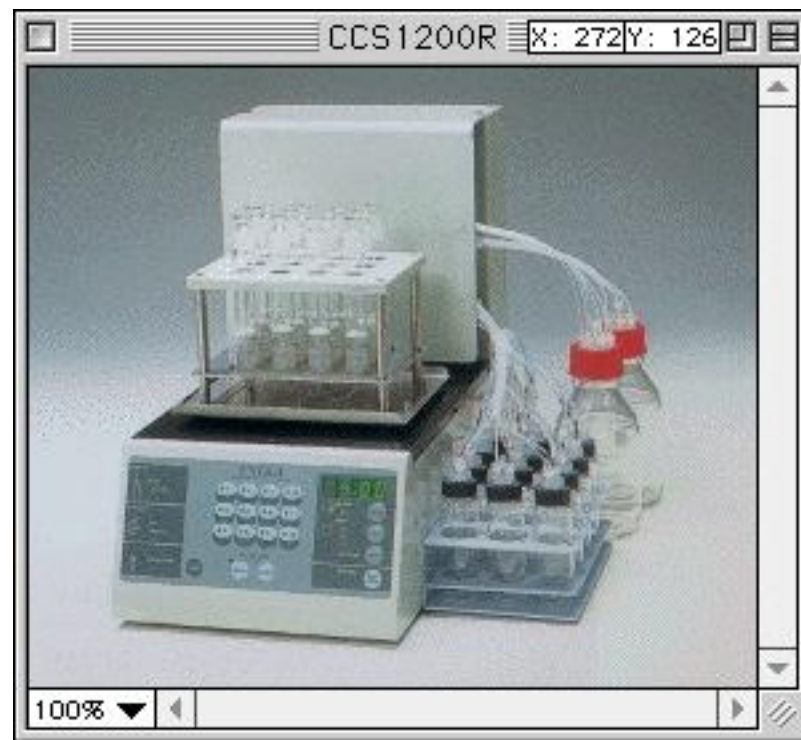


Personal Organic Synthesizer

Solid phase organic synthesizer

Used for the examination of condition for CombiChem solid phase synthesis.

High speed vibration vortex shaking attains efficient solid phase synthesis.

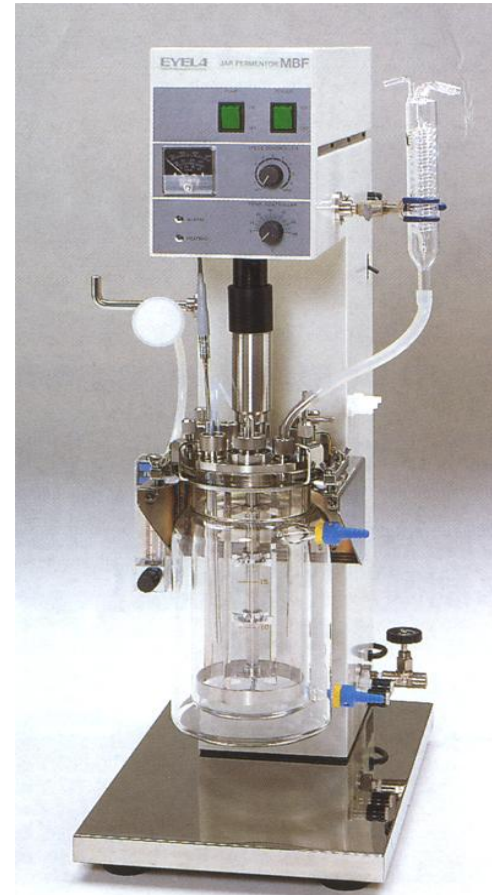


Fermentors

Used for large volume culture of microbes.

A variety from 2.5L to 10L capacity to choose.

Process controller is also available.



Freeze Dryers

Widely used for presevation of bacteria.

Because it's a freeze drying method, it allows to dry the sample by preserving its characteristic.

