
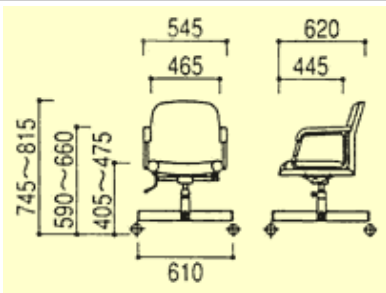
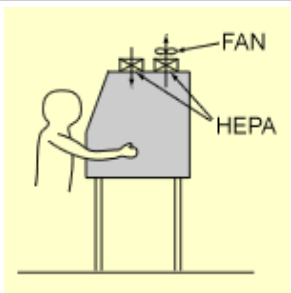


Classification of Safety Cabinet

Safety Cabinet, Class I to III

The safety cabinet is the most important device for bio hazard protection. It maintains the inside of the work bench vacuumed by exhausting the gas after filtration through the HEPA filter, and prevents aerosol generated during experiment to leak and diffuse outside. The safety cabinet can be classified into 3 classes, I, II, and III according to its structure. Each class has Characteristics shown in the following table. Select the proper safety cabinet depending on the level of facility for bio hazard protection and the biological material to be used.

Classification

Class	Class I	Class II	Class III
Construction			
Facility	Level P2, P3		Level P4
Comparison of Characteristics	<ul style="list-style-type: none"> High performance of infection-prevention to experimenter. Since the outside contamination mixes into the cabinet, it is suitable for experiments that do not require sterilization. 	<ul style="list-style-type: none"> Combined characteristics with both infection-prevention to experimenter and cleanliness inside cabinet. Wide utilization range with sterilization 3 classification IIA, IIB, and IIC depending on draft system 	<ul style="list-style-type: none"> The biological material of the highest risk can be experimented. Most reliable safety cabinet Enclosed type and very limited operation
Main Experiment Items	Wind Velocity Test and Gas Quantity Test HEPA Efficiency Test	(NSR) Standard Bacteria Test, Freon Leak Test, Wind Velocity Test, Gas Quantity Test, HEPA Efficiency Test	Freon Leak Test HEPA Efficiency Test