

FKC-I Planktonic Sampler (New)

FKC-I Planktonic Bacteria Sampler is a highly efficient porous suction dust sampler. It is designed according to the principle of particle impact and constant velocity sampling theory, the sampling is direct, the wind speed of the sampling port is basically the same as the wind speed in the clean room, and can more accurately reflect the concentration of microorganisms in the clean room. When sampling, air with dusty bacteria passes through the micropores at high speed and is hit on the agar surface in the petri dish; during the cultivation process, these living microorganisms undergo a dynamic rehydration process and grow at a high speed, so that the results can be obtained faster. The structure of this instrument is unique and novel. It is divided into upper and lower parts. The upper part is the collection port, sampling seat and air pump, and the lower part is the controller and battery. The sampling port and shell are made of high-quality aviation aluminum, and the surface is closed-cell, which is convenient for sterilization and disinfection before use. This instrument has powerful functions, large sampling volume, stable performance, and easy operation. It has reached the advanced level of similar products in the world. The FKC-I bacterioplankton sampler adopts the mechanism of the impact method. The pinhole sampler is inhaled through a metal cover. The cover is densely processed with special small holes, and the fine air flow collected is directly impacted by the fan. On the surface of the plate medium, the attached living microbial particles form colonies after being cultivated.



Compliant with the Standard:

- ◆ GMP Pharmaceutical and food production quality management standard
- ◆ ISO 14698-1/2 Biocontamination control of clean room and related control environment
- ◆ GB/T 16293-2010 Test method for planktonic bacteria in clean room (area) of pharmaceutical industry

FKC-I Planktonic Bacteria Sampler Main Features:

- ◆ The collection port is numerous micropores, which reduces the overlap of dust and bacteria, and reduces the error of microbial counting.
- ◆ Programmable, the sampling volume can be set arbitrarily from 0.01-6.0 cubic meters (1-6000L) .
- ◆ LCD display sampling amount, sampling time and other parameters.
- ◆ Parameters such as sampling volume and sampling time can be stored page by page, up to 256 pages of data can be stored.
- ◆ Unique shape, easy to use.
- ◆ It is easy to replace the petri dish, and the petri dish can be replaced by removing the collection port (use a standard universal petri dish with a diameter of 90*15)

Main Technical Parameters of FKC-I Planktonic Bacteria Sampler:

- ◆ Sampling volume: 100L/min
- ◆ Sampling period: Any setting
- ◆ Sampling port Flow rate: 0.38m/s
- ◆ Petri dish specification: $\Phi 90 \times 15\text{mm}$
- ◆ Working environment: Temperature 10~35℃
- ◆ Relative temperature 20~75%RH
- ◆ Power supply: AC and DC
- ◆ maximum power Consumption: 20W
- ◆ Weight: 2kg
- ◆ Dimensions: 120×300mm
- ◆ Standard accessories: power adapter, 2 petri dishes, manual, certificate of conformity, factory inspection report, warranty card