



# Air Bacteria Sampler



## India Office

16 S/F B/S, T-Block Extn.  
Jain Colony Part-2 Uttam Nagar,  
New Delhi-110059  
info@darsunscientific.in  
(+91) 9999136670, 7835864003

## USA Headquarters

30 N Gould St, Ste R  
Sheridan, Wyoming 82801  
United States

**Darsun**Scientific



# Darsun Scientific Air Bacteria Sampler

DS-AS



## Product Introduction

The Darsun bacteria sampler is a newly developed high-efficiency porous inhalation dust and bacteria sampler. It is designed based on the principle of particle impact and the theory of constant velocity sampling. Sampling is direct, and the wind speed at the sampling port is basically the same as that in the clean room, which can more accurately reflect the microbial concentration in the clean room. During sampling, the air carrying dust bacteria passes through the micropores at high speed and is impacted on the surface of the agar in the culture dish; These live microorganisms undergo dynamic rehydration during the cultivation process, growing at high speeds to obtain faster results; The instrument supports historical data recording and data USB export for easy data viewing.

The Darsun bacteria sampler has the characteristics of large sampling volume, stable performance, and easy operation, reaching the advanced level of international similar products. It is an ideal sampling instrument for the concentration of floating dust bacteria in various pharmaceutical factories, hospitals, biological products, food processing, public places, and other testing departments.

### The Darsun bacteria sampler meets the standards

1. GMP Good Manufacturing Practice for Drug and Food Production Quality Management
2. ISO14698-1/2 Control of Biological Pollution in Cleanrooms and Related Control Environments
3. GB/T16293-2010 Test method for Darsun bacteria in clean rooms (areas) of the pharmaceutical industry

### The main characteristics of the Darsun bacteria sampler are:

1. The collection port has countless micropores, reducing the overlap of dust and bacteria and minimizing errors in microbial counting;
2. Programmable, sampling volume can be set from 1-9999L (adjustable) 0.001-9.999m<sup>3</sup>;
3. LCD displays parameters such as sampling amount and sampling time;
4. Parameters such as sampling volume and sampling time can be stored on a page by page basis, with a maximum storage capacity of 256 pages of data;
5. Unique design and easy to use;
6. Replacing the culture dish is simple, simply remove the collection port to replace the culture dish (using a standard universal culture dish with a diameter of 90 \* 15);

Model	DS-AS
Sampling volume	100L/min;
Sampling period	arbitrarily set
Sampling port flow rate	0.38m/s
Specification of culture dish	Φ 90 × 15mm
Working environment	Temperature range of 10-35 °C
Relative temperature	10-90% RH
Power supply	AC/DC dual-use
Maximum power consumption	20W
Weight	2Kg
Dimensions	120x300mm
Standard accessories	power adapter, 2 culture dishes, instruction manual