

Technical Parameters

Sample loading capacity	24 (can be randomly injected)
Injection method	Random injection
Automatic cover opening and closing function of the sample cup	Yes
Abnormal sample treatment	Abnormal sample discharge function
Petri dish size	90 mm plate
Maximum loading capacity of petri dishes	175 (can be supplemented without stopping the machine)
Inoculation speed	Up to 180 plates/h
Inoculation method	Streak inoculation with an inoculation brush
Inoculation volume	10 ul, 15 ul, and 20 ul
Number of inoculation brushes	240 (can be supplemented without stopping the machine)
Number of tips (with filter element)	192 (can be supplemented without stopping the machine)
Barcode printing and pasting	Side of the petri dish
Barcode scanning function	Yes
Operation interface	Touch screen
High efficiency filtration function	H14 high efficiency filter element
UV disinfection function	UV lamp

Operating Conditions

Ambient temperature	10°C~30°C
Ambient humidity	≤ 85%
Atmospheric pressure	85kPa~106kPa
Supply voltage	AC 220V ± 22V, 50Hz ± 1Hz
Rated power	1kVA

Main Unit Size

1,586mm × 900mm × 1,700mm

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Autobio Diagnostics Co., Ltd.

offers more than 400 in vitro diagnostic products including CLIA(microplate based CLIA and magnetic particle based CLIA),ELISA,POCT(Point of Care Test),Microbiology and Biochemistry. As an ISO9001 and EN ISO13485 manufacturer, Autobio supplies high quality products through its well established sales network and is renowned as a reliable partner. For details please visit en.autobio.com.cn. Autobio Diagnostics Co., Ltd. | NO.87 Jingbei Yi Rd | National Eco&Tech Zone | Zheng zhou City | China 450016.

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AutoStreak S1800

Microbial Sample Pretreatment System



Product Advantages

High efficiency

- Single-person operation, with a treatment speed of 180 plates/hour, can meet all laboratory sample size requirements and automatically complete sputum digestion in five minutes, without manually adding digestive fluid and standing for 30 minutes, saving time and effort

High standard

- 10 ul quantitative inoculation
- International patent inoculation brush for streaking, with higher plate utilization and single colony isolation rate

Four measures to effectively control biosafety

- Negative pressure inner chamber of the imitation biosafety cabinet, with an exhaust air volume of 17.6 m³/min, and an air replacement frequency of 14 cycles/minute
- High efficiency HEPA filtration, with a filtration efficiency of 0.3 um 99.995%
- Cover opening and closing inside the sample machine
- Double UV timing disinfection of the machine interior and waste bin

Flexible operation

- Free setting of plate types
- Free setting of plate loadout according to the culture environment
- Automatic treatment of abnormal samples
- Independent storage area of abnormal samples, without affecting the batch treatment efficiency of samples

Software system

- Real-time monitoring of consumable consumption and experiment progress, dynamic large-screen display, and audible and visual alarm
- It can be connected with Lis software and Autobio microbiology laboratory information system to realize the whole process management of sample information

AutoStreak S1800 Microbial Sample Pretreatment System

Sample pretreatment is a key step in microbiology. Rapid, effective and standard sample pretreatment is one of the important conditions for reliable, efficient and rapid diagnosis results. Meanwhile, sample pretreatment is a time-consuming and laborious repetitive activity, which occupies a large amount of analysis time for experienced personnel, and biosafety risks exist in the manual inoculation process for operators, which is difficult to avoid the influence of human factors on the results. Automated and standardized microbial sample pretreatment system can make microbial sample pretreatment more efficient, process more standardized, results more accurate, and personnel safer.

AutoStreakS1800 microbial sample pretreatment system can perform a series of operations on sputum, urine and other liquid samples, such as code scanning, automatic opening and closing of the cap, homogenization, quantitative streak inoculation, barcode printing and pasting, etc., to achieve standardized operation and improve the bacterial isolation rate.

