



## accu-jet<sup>®</sup> S

Powerful. Precise. Efficient.

BRAND. For lab. For life.<sup>®</sup>

- + Simple: Precise control for accurate volume setting and delicate cell culture work
- + Easy: Integrated rest position
- + Efficient: Service-friendly and sustainable



# Get to know the new accu-jet® S

The accu-jet® S pipette controller brings versatility and endurance to your team. It makes lab work simple, easy and efficient, whether you work with cell cultures, in quality control or in a pharma lab.

Precise pipetting of large and small volumes is simple due to single-handed control of pipetting speed for fast, powerful aspiration, accurate meniscus setting, or precise dispensing of small volumes. Thanks to the precise control, you always achieve the required volume spot-on when working with graduated or bulb pipettes. If you need extra power or precision, motor speed is controlled on the fly with one hand. Choose between gravity-delivery (for pipettes calibrated "to deliver") or powered blow-out delivery (for pipettes calibrated "to contain").



accu-jet® S, color: petrol

Convenient functions support easy and efficient work with minimum interruptions. You can typically work for 8 hours of continuous pipetting without recharging\*, and the accu-jet® S can be used while charging. Even during short breaks, the accu-jet® S saves time. With the integrated rest-position, you can place the instrument on the benchtop on its back with an inserted pipette. The instrument remains ready to use and accessible for you to continue your work at your convenience.

Efficient use of resources is what the accu-jet® S is all about. It is designed to make routine service tasks such as membrane filter replacement, adapter change, or battery replacement simple and easy for you. This and the robust design make it the perfect choice for long reliable service. The valve system ensures that no vapors remain inside the instrument, thus preventing corrosion. The membrane filter and check valve prevent liquid from accidentally getting into the instrument. Packaging and production use sustainable solutions. The packaging contains more than 90% recycled material, and manufacturing uses electric power from renewable sources.

\* continuous aspiration and delivery with a 10 ml pipette

- + For glass and plastic pipettes from 0.1 to 200 ml
- + Four attractive colors
- + Two color charge indicator
- + Battery with intelligent charging technology
- + Ergonomic handgrip and perfectly balanced design
- + Quick: Fills a 25 ml pipette at maximum motor speed in only 3 seconds
- + Adapter, adapter housing and filter are autoclavable

# At a glance: Advantages of the **accu-jet® S**

Single-handed operation allows you to select gravity delivery or motorized blow-out, smoothly adjust the motor speed and precisely control the pipetting speed using variable button pressure for finest control of filling and delivery speed.

Thanks to the balanced weight distribution, the instrument rests comfortably in your hand, even during long pipetting series.



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Gravity delivery or blow-out with motor power



Efficient single-handed operation



Direct outlet of sample vapors



Membrane filter and check valve prevent liquid penetration

**Easy storage**

Due to its new design, the accu-jet® S can be set to rest directly on the back end of the handle with a pipette inserted.

A wall mount also provides additional storage, freeing up space on your work area for disinfection or decontamination tasks.



**Charging indicator**

An LED promptly indicates that the battery capacity will last for two hours of operation.

**Mode selection**

Gravity delivery or blow-out with motor power

**Serial number**

**Charging socket**

The battery is fully charged in just 4 hours. Working during the charging process is also possible with the charging cable connected.



Rest position with inserted pipette



Wall mount for space-saving storage



Charging indicator



Smart charging technology prevents lazy battery effect

# Ordering information



accu-jet® S, anthracite



accu-jet® S, berry

## accu-jet® S, with universal AC adapter

Items supplied: pipette controller, universal AC adapter (for Europe, UK, USA, Japan, Australia, New Zealand), Nickel-metal hydride battery, wall support, 2 spare membrane filters 0.2 µm (sterile), operating manual.

Color	Description	Cat. No.
anthracite	with universal AC adapter	17334560
berry	with universal AC adapter	17344560
petrol	with universal AC adapter	17354560
amethyst	with universal AC adapter	17364560



accu-jet® S, petrol

## accu-jet® S

Items supplied: pipette controller, Nickel-metal hydride battery, wall support, 2 spare membrane filters 0.2 µm (sterile), operating manual.

Color	Description	Cat. No.
anthracite	without universal AC adapter	17304570
berry	without universal AC adapter	17374560
petrol	without universal AC adapter	17384560
amethyst	without universal AC adapter	17394560



accu-jet® S, amethyst



All product information can be found at [shop.brand.de](http://shop.brand.de)

# Accessories

Original accessories ensure optimal work conditions in the laboratory.



**Wall support**  
for 1 accu-jet® S pipette controller

Pack of	Cat. No.
1	17314570



## Universal AC adapter

Adapter for Europe, UK, USA, Japan, Australia, New Zealand

Pack of	Cat. No.
1	17334570



## Membrane filters

for accu-jet® S pipette controller

Description	Pack of	Cat. No.
0.2 µm, sterile	1	10028790
0.2 µm	10	10439842
3 µm	1	10373581
3 µm	10	10740821

USER  
TIP

# Precise pipetting of large and small volumes

With one hand, you control the pipetting speed – from fast, powerful aspiration and exact meniscus setting, to precise dispensing of even small volumes. Without repositioning your hand, you can smoothly regulate the motor speed and select between gravity delivery or motor-supported blow-out of the pipette. With pressure sensitive control of the pipetting buttons, you can dispense up to the maximum speed of the motor setting, to facilitate working with both small- and large-volume pipettes with a high degree of sensitivity and accuracy.

## Dispensing liquids: gravity delivery or blow out?

The delivery mode selection depends on the application. In analytical laboratories, for example, 'Gravity delivery' is the mode most commonly used. In order to comply with the accuracy values specified on the pipettes, it is necessary to select gravity delivery of the medium and to take into account the process and wait time. In the field of life sciences, the focus is on the uniform and rapid measurement of nutrient media and buffer solutions. Therefore, laboratories in this field prefer to work in "Blow-out" mode.



1.

Press the upper pipetting button to aspirate the pipetting medium. The further the button is pressed, the faster the pipette is filled.



2.

Select the operating mode "Gravity delivery" or "Blow-out".



3.

To dispense, press the lower pipetting button. The dispensing speed steadily increases the further the button is pressed.

### Note:

The motor speed can be smoothly adjusted from maximum (+) to minimum (-). We recommend using the maximum motor speed for large volume pipettes and a lower motor speed for small volume pipettes.



## Application example

The technique of cell 'splitting' or 'passing' involves resuspending cell pellets in fresh medium after centrifugation. In this step, the cell solution is pipetted up and down multiple times in order to create a homogeneous cell suspension. The motor speed should be set in accordance with the medium volume and the pipette size, in order to prevent accidental inclusion of air into the medium or the exertion of too much shear force on the cells.



When using small-volume rod pipettes (< 5 ml) to seed cells into culture flasks, we recommend setting the motor to the minimum speed or completely avoiding the motor-supported blow out.

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Further information on products and applications can be found on our YouTube channel: [mylabBRAND](#)



#### Renewable energy

In our factory we use 100% eco-friendly energy from certified hydro-electric power plants and energy generated on premise from our high efficiency cogeneration unit.



#### Sustainable packaging

We use cardboard with approx 90% recycled content for our product packaging.

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