Your bacteria's favorite!

Eppendorf Eporator®

eppendorf

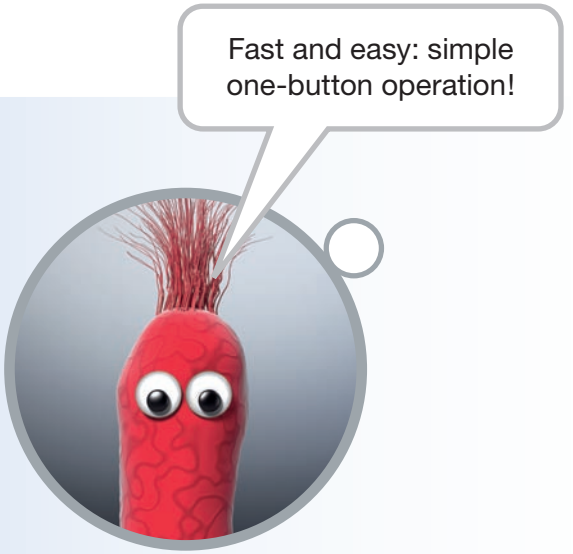
Small footprint – great results!

Eppendorf Eporator®

Welcome the **Eppendorf Eporator®**, the solution for efficiently transforming bacteria and yeast! The Eppendorf Eporator is the perfect fit for you and your lab. Ask the specialists – your bacteria and yeast – they will confirm that the product features and performance of the Eppendorf Eporator make it very easy for you to carry out your experiments and obtain excellent results.

Electroporation can be used for the transformation of electrocompetent bacteria and yeast with DNA. Compared to chemical methods, electroporation yields a much higher transformation efficiency. It also gives more reproducible results than other methods, is very simple to perform and saves you valuable time.

Treat your bacteria and yeast with something special – let them experience the Eppendorf Eporator!



Unique features of the Eppendorf Eporator

1. Faster sample handling – simple one-button operation: just set the voltage or choose a preset parameter and insert a cuvette
2. Intuitive use – the status information on the colored display minimizes errors
3. Fast and freely programmable – two program buttons allow storage and recall of most commonly used parameters, default setting: P1 1,700 V and P2 2,500 V
4. Safe electronics* and integrated electroporation chamber eliminate voltage leaks and misuse
5. Compact, space-saving design for easy storage and transport
6. Easy, GLP-compliant documentation via USB port – data from your experiments can be exported for documentation and analysis

* U.S. Pat. 6,103,084.

The orange frame outlines the Eporator's
27.5 × 19 cm footprint (10.83 × 7.48 in)

As compact
as can be!

The Eppendorf Eporator in full-scale:
fits in every lab as easily as on this page!

Plug and play

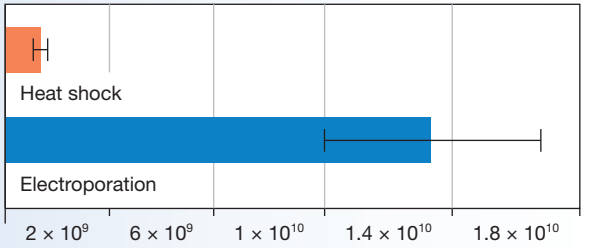
7 **Set parameters –** displays your chosen voltage

8 **Actual parameters –** actual voltage and time constant after the pulse are displayed

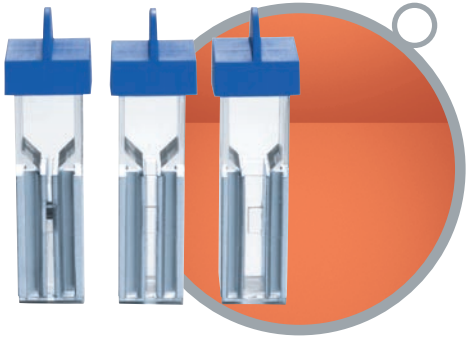
9 **Function symbols –** indicate status of experiment

* Source: Eppendorf Application Note 216.

Comparison of transformation efficiencies of *E. coli*: heat shock vs. electroporation
(Mean values and standard deviations are shown)



The Eppendorf Eporator was designed to deliver ideal conditions for electroporation of your bacteria and yeast, leading to transformation efficiencies far higher than with chemical transformation (heat shock).*



Individually blistered and gamma-irradiated Eppendorf electroporation cuvettes are available in three sizes and with different gap widths.

Where everything comes together

Lab success from one source

The Eppendorf Eporator fits perfectly into the Eppendorf product family for molecular and microbiology labs:

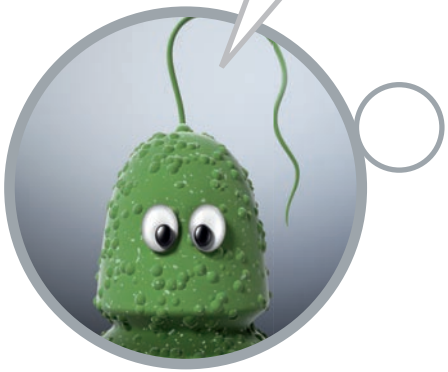
For example, the **Mastercycler® pro** can be used to amplify your gene of interest, the **BioPhotometer plus** helps you to determine the concentration of your DNA and the **Eppendorf Eporator®** transfers it into the bacterial strain or fungi you are working with.

Eppendorf offers a full range of products for up- and downstream processing of your samples:

1. Eppendorf's **BioPhotometer plus**, a compact UV/VIS photometer optimized for use in molecular biology, biochemistry labs.
2. The Eppendorf **Thermomixer® comfort*** conveniently offers simultaneous mixing and temperature control.
3. Eppendorf offers a complete range of **pipettes**.
4. Eppendorf's **PCR instruments and consumables.**
5. Eppendorf **electroporation cuvettes** are produced according to stringent quality standards.

* Thermomixer® R in North America.

Discover everything from Eppendorf at:
www.eppendorf.com



The Eppendorf Eporator®
at a glance

Technical specifications

Parameter	Values
Input voltage:	100 V–240 V ±10%, 50 Hz–60 Hz
Power input:	20 W
Time constant:	5 ms nominal
Output waveform:	Decaying exponential waveform with RC time constant of 5 ms
Pulse voltage:	200 V–2,500 V
Charging time:	<10 s
Interface:	USB 2.0
Dimensions (L × W × H):	27.5 × 19 × 12.5 cm / 10.83 × 7.48 × 4.92 in.
Weight:	3.2 kg / 7.05 lb

Ordering information

Description	Order No. International	Order No. North America
Eppendorf Eporator® Basic device incl. 5 × electroporation cuvettes, 1 mm gap and 5 × electroporation cuvettes, 2 mm gap	4309 000.019	
Accessories		
Electroporation cuvettes, sterile, pack of 50		
1 mm gap, 100 µl	4307 000.569	940001005
2 mm gap, 400 µl	4307 000.593	940001013
4 mm gap, 800 µl	4307 000.623	940001021
Cuvette holder for 16 cuvettes	4308 078.006	940001102

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In touch with life

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