

BluePower Power Supplies

SERVA

*serving
scientists!*

The force that drives your gel

SERVA BluePower Power Supplies

Different power supplies are needed to cover the large variety of separations such as SDS electrophoresis of proteins, DNA electrophoresis in agarose and PAGE gels, Isoelectric Focusing, 2Delectrophoresis and electrotransfer of biomolecules e. g. Southern-, Northern- and Western-Blotting. All SERVA BluePower power supplies are easy-to-use, safe and reliable. They are fully over-load-protected including short-circuit of outputs: an automatic poweroff function stops the voltage when ground leakage is detected.

Programmable power supplies

Operation of the programmable BluePower power supplies is very simple and user-friendly. The unit comes with a large LCD display which makes starting the instrument easy. User-defined editing of programs is done within minutes. 9 programs with each up to 9 steps can be stored. Alternatively, the unit can be controlled via manual mode. Two electrophoresis units can be operated in parallel.

Entering a program via the front panel

Arranged at front: alpha-numerical display, keyboard, LCD monitor and four sockets. Each step to be programmed individually according to the customer's needs is highlighted in the LCD monitor dialogue system. Voltage, current and power can be programmed separately. Maximum settings are controlled by a cross-over mode. Actual values can be monitored during the run as well as the maximum settings of voltage, amperes and wattage. Once a set has been made, the parameters can be changed during the run, without interrupting it. The WAIT function is useful when you want to interrupt your run without changing the actual settings. The TIMER function enables you to run your gels at a constant time, while the Vh integrator gives you maximum reproducibility of difficult runs. The SAP (step after program) function eliminates unwanted diffusion of the bands after a run has been performed. The instrument will switch to a „stand-by“ mode supplying low electrical field (100 V, 5 mA, 5 W). This function will be particularly useful if a run is controlled by the timer function and the gel is not processed immediately after the run.

Which power supply for which purpose?

BluePower 1500 (BP-1500x4)

BluePower 1500x4 is designed for high voltage applications delivering 1500 V, 400 mA and 600 W. Applications like SDS PAGE, submarine electrophoresis can be performed as well. 4 x 2 outlets, programmable.

BluePower 3000 (BP-3000x4)

BluePower 3000x4 is designed for high voltage applications (Isoelectric Focusing, DNA sequencing) delivering 3000 V, 200 mA and 300 W. Other applications (SDS PAGE, submarine electrophoresis) can be performed as well. 4 x 2 outlets, programmable.



BluePower 1500x4 / 3000x4

These programmable power supplies are useful in many separation techniques.

SERVA BluePower Supplies: Applications

Product	BluePower 1500x4	BluePower 3000x4
SDS PAGE (vertical)	+	○
SDS PAGE (horizontal)	+	○
native PAGE (vertical)	+	○
native PAGE (horizontal)	+	○
UREA PAGE (DNA/RNA)	-	+
Submarine (DNA/RNA)	+	-
Isoelectric Focusing (vertical)	+	○
Isoelectric Focusing (horizontal)	-	+
Tank Blotting	○	-
Semi-Dry Blotting	○	○

+ = recommended, ○ = applicable, - = not recommended

Ordering Information

Product	Quantity	Cat. no.
BluePower 1500x4	1 unit	BP-1500x4
BluePower 3000x4	1 unit	BP-3000x4