

Prototype electroporators

Developer	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE
Name	EP-03	HV-LV	BP p	SFE 01	BLM - 1	BLM-2	EP-GMS 7.1	Nano	NanoCuvette	Zeus	BP-HF-EP	ABP-HF-EP (MPOR)
Description	HV pulse generator	High-low voltage pulse generator	HV pulse generator	Ultrasound generator	Arbitrary signal generator for planar lipid bilayer experiments	System for measuring properties of planar lipid bilayers	HV pulse generator with commutator for 7 electrodes	HV high repetition rate variable duration nanosecond generator	HV nanosecond generator	Lightning emulator	Bipolar high-frequency electroporator	Asymmetrical Bipolar high-frequency electroporator
Output voltage	0-600 V	0-900 V	0-5000 V	N/A	N/A	5000 guV	0-400 V	0-1000 V	0-10 kV	0-5 kV	60-1000 V	60-1500 V
Number of pulses	1-128	1 to 9	1 to 99 or continuous	N/A	N/A	N/A	1-100 x 12 sequences	1-100	1-1000	1	1-10 000	1-10 000
Pulses length	5 - 5000 μ s	LV: 10-5000 ms HV: 100 - 10000 μ s	10 μ s, 100 μ s, 500 μ s, 1 ms, 5 ms, 10 ms	N/A	N/A	N/A	10-1000 μ s	20-200 ns	(approx. 7 ns) Load dependant	> 10 μ s	400 ns- 50 ms	200 ns - 5 ms
Pulse frequency (1/P)	1 - 1000 Hz	0.1 - 1000 Hz	1 Hz, 10 Hz	N/A	N/A	N/A	0.1 - 5000 Hz	1 - 10 000 Hz	0-100 Hz	< 1 Hz	1 mHz - 1250 kHz	100 mHz - 5 MHz
Trigger input	N/A	N/A	N/A	N/A	N/A	N/A	NO	YES	YES	NO	YES	YES

LV = low voltage

HV = high voltage

N/A = data not available