

## COMMERCIAL ELECTROPORATORS - TABLE OF PARAMETERS

Name	ELECTROCELL B10	CLINIPORATOR	JOUAN	Neon	VITAE	TSS20	Gemini X <sup>2</sup>
Manufacturer	Leroy Biotech	IGEA	Societe Jouan	Invitrogen	IGEA	Intracel	Harvard apparatus BTX
Output voltage	0 ± 1000 V	LV: 20 - 200 V HV: 50 - 1000 V	0 - 1500 V	500 - 2500 V	500 - 3000 V	0.1 - 99.9 V	LV: 5-500 V HV: 505-3000 V
Number of pulses	1 - 10 000 or continuous	20	one pulse or continuous	1 - 10	1 - 100	1 - 999	<u>Square:</u> LV: 1-120 HV: 1-36 <u>Exponential:</u> 1-12 if R <sub>internal</sub> < 100 Ω 1-24 if R <sub>internal</sub> > 100 Ω
Pulse length	5 - 50 000 μs	LV: 0 - 20 ms HV: 30 - 200 μs	5 μs - 24 ms	1 - 100 ms	50 - 1000 μs	1 - 999 ms	<u>Square:</u> LV: 10 μs - 999 ms HV: 10 μs - 600 μs. <u>Exponential:</u> LV: τ = 1 ms to 5.158 s; HV: τ = 0.5 ms to 133.875 ms
Pulse frequency (1/P)	0.1 - 1000 Hz	LV: 0.3 - 1000 Hz HV: 0.3 - 2 Hz	up to 10 Hz	/	1 - 8000 Hz	0.1 - 100 Hz	<u>Square:</u> 0.1 - 10 Hz, <u>Exponential:</u> 0.03 - 0.2 Hz

LV = low voltage

HV = high voltage