

mPOR PLATE ELECTRODES

mPOR-PL-A-W-t-r

Datasheet



mPOR-Plate electrodes are reusable electroporation applicators. They are not intended for general use, but only for use in research laboratories. The electrodes are not intended for human use, but only for in vitro testing on biological cells and in vivo testing in veterinary medicine. An electrode set consists of a cable with connectors, a plastic handle and two parallel stainless steel plate electrodes. The length of the stainless steel electrodes is 20 mm, while the distance between the electrodes, width, thickness and cutout are product specific (see Table 1). The high-voltage cable is 150 cm long and has two inline Ø 4 mm MULTILAM plugs with a solid insulating sheath, which are plugged into the electroporator (Figure 1). The conductive part of the electrodes consists of two stainless steel plates that are brought into contact with the load (i.e., cells or tissue). The electrodes are designed for **FOR VOLTAGES UP TO 1000 V CAT II / 600 V, CAT III.**

FOR RESEARCH USE ONLY, NOT FOR HUMAN USE!



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HIGH-FREQUENCY ELECTROPORATION

TECHNICAL DATA	
Rated values	1000 V, CAT II / 600 V, CAT III
Storage Temperature	-50°C to +70°C
Operating Temperature	+5°C to +40°C
Test accessory acc. to	IEC EN 61010-031
Certification	CE
Lead insulation	SIL
Electrode plates	Stainless Steel AISI 316
Holder	SIMONA PWC-CAW
Cable Length	Lc = 150 cm

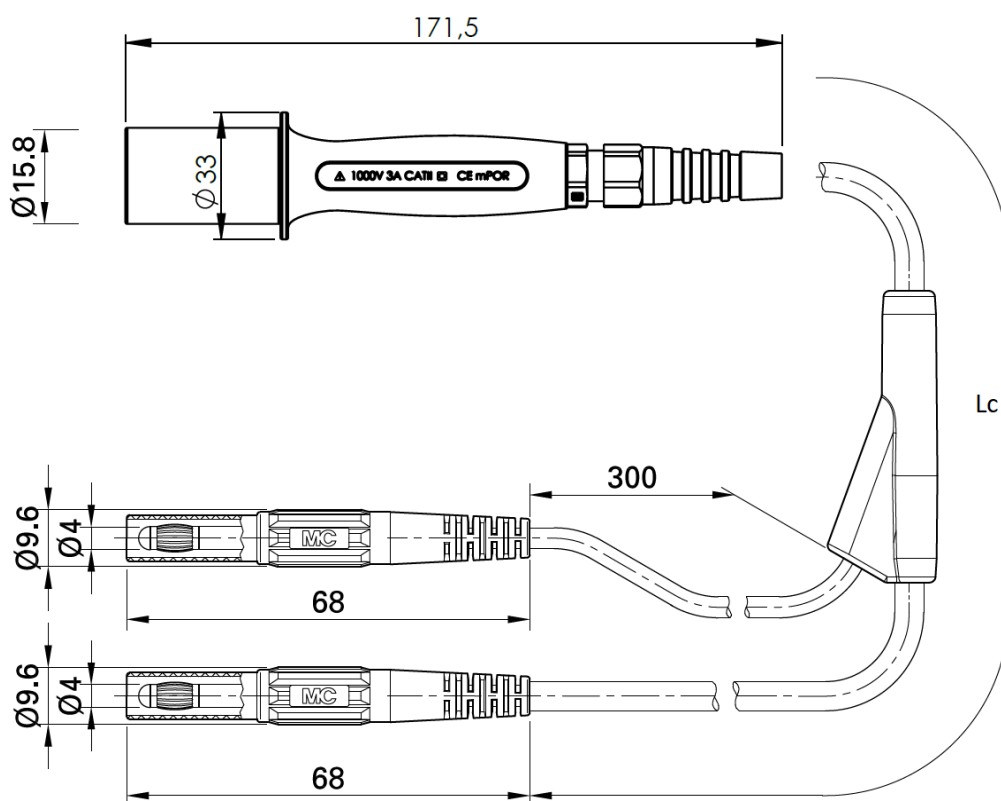
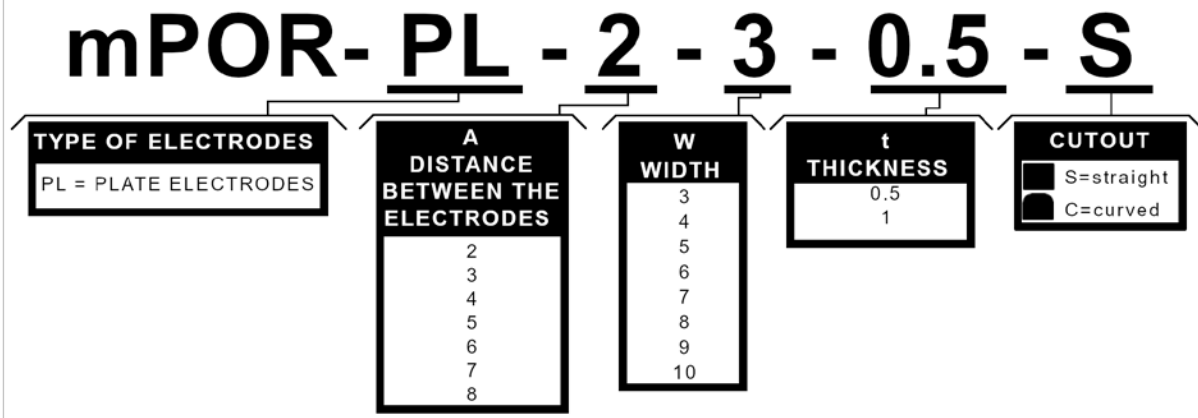


Figure 1: schematic drawing of the electrodes: plastic handle, cable and connectors with dimensions in millimetres



Explanation of part number and description:



Two cutout options are available: straight (S, Figure 2a) and curved (C, Figure 2b).

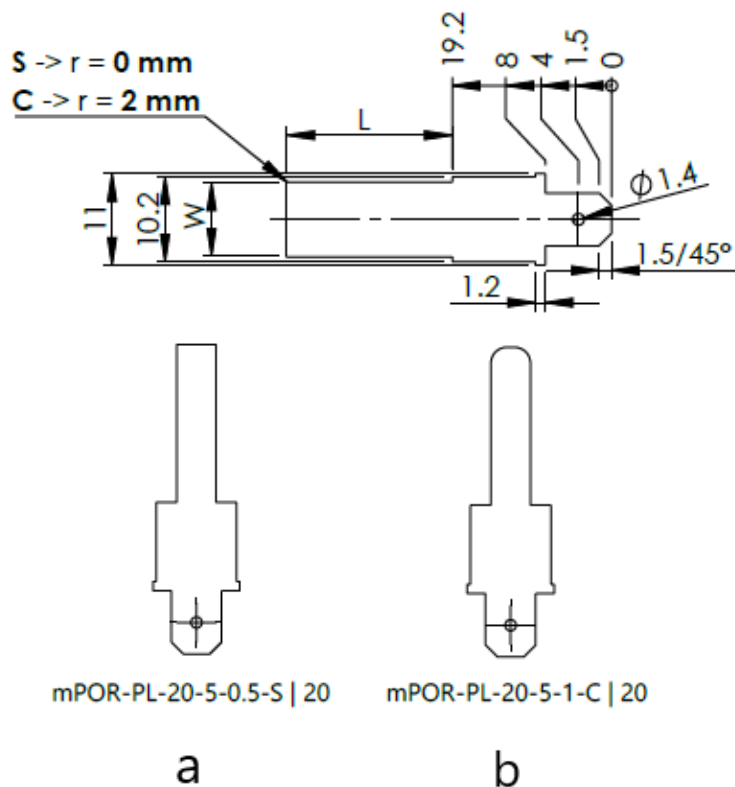
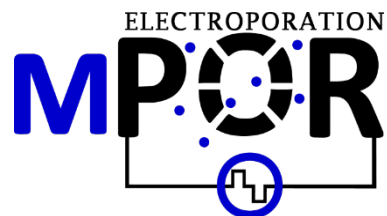


Figure 2: cutout option. a) S, straight electrodes (example for electrodes with 20 mm (L) length, 5 mm (W) width and 0.5 mm thickness) ; b) C, curved electrodes (example for electrodes with 20 mm (L) length, 5 mm (W) width and 1 mm thickness).

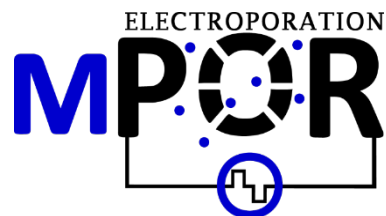


Table 1: list of available electrodes

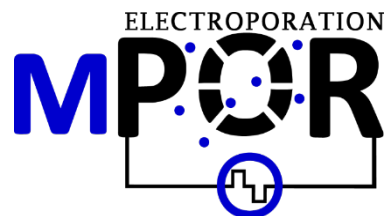
NAME	A DISTANCE BETWEEN ELECTRODES [mm]	W WIDTH [mm]	t THICKNESS [mm]	L LENGHT [mm]	r (S/C) CUTOUT
mPOR-PL-2-3-0.5-S	2	3	0.5	20	S
mPOR-PL-3-3-0.5-S	3	3	0.5	20	S
mPOR-PL-4-3-0.5-S	4	3	0.5	20	S
mPOR-PL-5-3-0.5-S	5	3	0.5	20	S
mPOR-PL-6-3-0.5-S	6	3	0.5	20	S
mPOR-PL-7-3-0.5-S	7	3	0.5	20	S
mPOR-PL-8-3-0.5-S	8	3	0.5	20	S
mPOR-PL-2-4-0.5-S	2	4	0.5	20	S
mPOR-PL-3-4-0.5-S	3	4	0.5	20	S
mPOR-PL-4-4-0.5-S	4	4	0.5	20	S
mPOR-PL-5-4-0.5-S	5	4	0.5	20	S
mPOR-PL-6-4-0.5-S	6	4	0.5	20	S
mPOR-PL-7-4-0.5-S	7	4	0.5	20	S
mPOR-PL-8-4-0.5-S	8	4	0.5	20	S
mPOR-PL-2-5-0.5-S	2	5	0.5	20	S
mPOR-PL-3-5-0.5-S	3	5	0.5	20	S
mPOR-PL-4-5-0.5-S	4	5	0.5	20	S
mPOR-PL-5-5-0.5-S	5	5	0.5	20	S
mPOR-PL-6-5-0.5-S	6	5	0.5	20	S
mPOR-PL-7-5-0.5-S	7	5	0.5	20	S
mPOR-PL-8-5-0.5-S	8	5	0.5	20	S
mPOR-PL-2-3-1-S	2	3	1	20	S
mPOR-PL-3-3-1-S	3	3	1	20	S



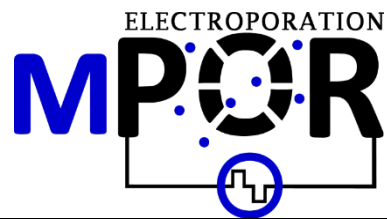
mPOR-PL-4-3-1-S	4	3	1	20	S
mPOR-PL-5-3-1-S	5	3	1	20	S
mPOR-PL-6-3-1-S	6	3	1	20	S
mPOR-PL-7-3-1-S	7	3	1	20	S
mPOR-PL-8-3-1-S	8	3	1	20	S
mPOR-PL-2-4-1-S	2	4	1	20	S
mPOR-PL-3-4-1-S	3	4	1	20	S
mPOR-PL-4-4-1-S	4	4	1	20	S
mPOR-PL-5-4-1-S	5	4	1	20	S
mPOR-PL-6-4-1-S	6	4	1	20	S
mPOR-PL-7-4-1-S	7	4	1	20	S
mPOR-PL-8-4-1-S	8	4	1	20	S
mPOR-PL-2-5-1-S	2	5	1	20	S
mPOR-PL-3-5-1-S	3	5	1	20	S
mPOR-PL-4-5-1-S	4	5	1	20	S
mPOR-PL-5-5-1-S	5	5	1	20	S
mPOR-PL-6-5-1-S	6	5	1	20	S
mPOR-PL-7-5-1-S	7	5	1	20	S
mPOR-PL-8-5-1-S	8	5	1	20	S
mPOR-PL-2-6-1-S	2	6	1	20	S
mPOR-PL-3-6-1-S	3	6	1	20	S
mPOR-PL-4-6-1-S	4	6	1	20	S
mPOR-PL-5-6-1-S	5	6	1	20	S
mPOR-PL-6-6-1-S	6	6	1	20	S
mPOR-PL-7-6-1-S	7	6	1	20	S
mPOR-PL-8-6-1-S	8	6	1	20	S
mPOR-PL-2-7-1-S	2	7	1	20	S
mPOR-PL-3-7-1-S	3	7	1	20	S



mPOR-PL-4-7-1-S	4	7	1	20	S
mPOR-PL-5-7-1-S	5	7	1	20	S
mPOR-PL-6-7-1-S	6	7	1	20	S
mPOR-PL-7-7-1-S	7	7	1	20	S
mPOR-PL-8-7-1-S	8	7	1	20	S
mPOR-PL-2-8-1-S	2	8	1	20	S
mPOR-PL-3-8-1-S	3	8	1	20	S
mPOR-PL-4-8-1-S	4	8	1	20	S
mPOR-PL-5-8-1-S	5	8	1	20	S
mPOR-PL-6-8-1-S	6	8	1	20	S
mPOR-PL-7-8-1-S	7	8	1	20	S
mPOR-PL-8-8-1-S	8	8	1	20	S
mPOR-PL-2-9-1-S	2	9	1	20	S
mPOR-PL-3-9-1-S	3	9	1	20	S
mPOR-PL-4-9-1-S	4	9	1	20	S
mPOR-PL-5-9-1-S	5	9	1	20	S
mPOR-PL-6-9-1-S	6	9	1	20	S
mPOR-PL-7-9-1-S	7	9	1	20	S
mPOR-PL-8-9-1-S	8	9	1	20	S
mPOR-PL-2-10-1-S	2	10	1	20	S
mPOR-PL-3-10-1-S	3	10	1	20	S
mPOR-PL-4-10-1-S	4	10	1	20	S
mPOR-PL-5-10-1-S	5	10	1	20	S
mPOR-PL-6-10-1-S	6	10	1	20	S
mPOR-PL-7-10-1-S	7	10	1	20	S
mPOR-PL-8-10-1-S	8	10	1	20	S
mPOR-PL-2-6-1-C	2	6	1	20	C
mPOR-PL-3-6-1-C	3	6	1	20	C



mPOR-PL-4-6-1-C	4	6	1	20	C
mPOR-PL-5-6-1-C	5	6	1	20	C
mPOR-PL-6-6-1-C	6	6	1	20	C
mPOR-PL-7-6-1-C	7	6	1	20	C
mPOR-PL-8-6-1-C	8	6	1	20	C
mPOR-PL-2-7-1-C	2	7	1	20	C
mPOR-PL-3-7-1-C	3	7	1	20	C
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mPOR-PL-8-7-1-C	8	7	1	20	C
mPOR-PL-2-8-1-C	2	8	1	20	C
mPOR-PL-3-8-1-C	3	8	1	20	C
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mPOR-PL-7-8-1-C	7	8	1	20	C
mPOR-PL-8-8-1-C	8	8	1	20	C
mPOR-PL-2-9-1-C	2	9	1	20	C
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mPOR-PL-7-9-1-C	7	9	1	20	C
mPOR-PL-8-9-1-C	8	9	1	20	C
mPOR-PL-2-10-1-C	2	10	1	20	C
mPOR-PL-3-10-1-C	3	10	1	20	C



mPOR-PL-4-10-1-C	4	10	1	20	C
mPOR-PL-5-10-1-C	5	10	1	20	C
mPOR-PL-6-10-1-C	6	10	1	20	C
mPOR-PL-7-10-1-C	7	10	1	20	C
mPOR-PL-8-10-1-C	8	10	1	20	C

