AMICA-PROBE COAGULATIVE PERFORMANCE IN EX-VIVO BOVINE LIVER AT ROOM TEMPERATURE:

PULSED MW ENERGY DELIVERY MODE

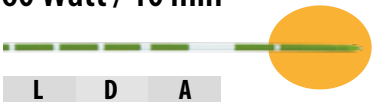
60 Watt / 3 min

L	D	A
28mm	21mm	4mm

60 Watt / 5 min

L	D	A
29mm	24mm	5mm

60 Watt / 10 min

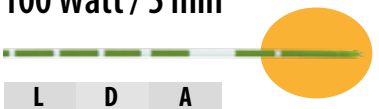


L	D	A
35mm	29mm	6mm

100 Watt / 3 min

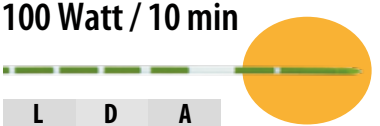
L	D	A
35mm	27mm	4mm

100 Watt / 5 min



L	D	A
39mm	31mm	5mm

100 Watt / 10 min



L	D	A
44mm	38mm	6mm

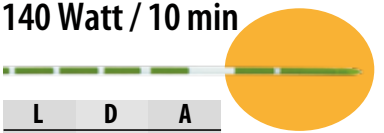
140 Watt / 3 min

L	D	A
39mm	29mm	6mm

140 Watt / 5 min

L	D	A
45mm	34mm	6mm

140 Watt / 10 min

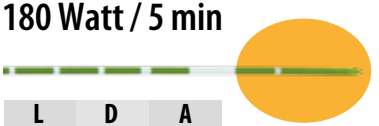


L	D	A
53mm	43mm	6mm

180 Watt / 3 min

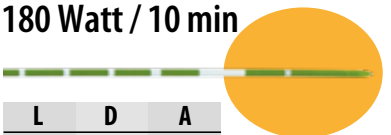
L	D	A
46mm	30mm	6mm

180 Watt / 5 min



L	D	A
53mm	40mm	9mm

180 Watt / 10 min



L	D	A
66mm	47mm	11mm

HS AMICA
Re-Thinking Ablation

Rev. 06/2021

AMICA-PROBE COAGULATIVE PERFORMANCE
PULSED MW ENERGY DELIVERY MODE

Ablation size (LxDxA)		TIME		
		3 min	5 min	10 min
Power*	60 W	28x21x4 mm	29x24x5 mm	35x29x6 mm
	100 W	35x27x4 mm	39x31x5 mm	44x38x6 mm
	140 W**	39x29x6 mm	45x34x6 mm	53x43x6 mm
	180 W***	46x30x6 mm	53x40x9 mm	66x47x11 mm

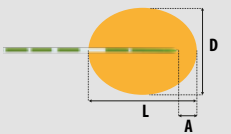
Performance chart applicable to 14G AMICA-PROBE models only, cooled using pre-refrigerated saline solution (≤5°C) flowing at approximately 100ml/min.
Size of necrosis obtained on ex-vivo adult bovine liver, initially at room temperature (~20°C): all sizes were obtained using a single applicator in a single insertion.
The actual coagulation performance in the clinical scenario may vary with respect to this ex-vivo chart due to a number of factors (e.g. blood perfusion, biological or physical peculiarities of the target tissues, prior or concurring local treatments, boundary conditions, etc.). Do not rely on the ex-vivo model alone for planning a microwave ablation treatment with HS AMICA. Real-time intra-operative monitoring of treatment progression through appropriate imaging techniques is mandatory.

*Net power at the probe end.

**Only using AMICA-GEN models AGN-H-1.2 and AGN-3.2.

***Only using AMICA-GEN models AGN-H-1.3 and AGN-3.3

L = Necrosis **length** in the probe axis direction
D = Necrosis **diameter** perpendicularly to the probe
A = Necrosis **extension** beyond the probe tip



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