



AMICA-PROBE COAGULATIVE PERFORMANCE IN EX-VIVO BOVINE LIVER AT ROOM TEMPERATURE: CONTINUOUS MW ENERGY DELIVERY MODE

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AMICA-PROBE COAGULATIVE PERFORMANCE CONTINUOUS MW ENERGY DELIVERY MODE

Ablation size (LxDxA)		TIME			
		3 min	5 min	10 min	15 min
Power*	20 W	24x16x3 mm	27x20x5 mm	31x27x6 mm	38x33x8 mm
	40 W	29x20x4 mm	36x27x7 mm	48x36x9 mm	50x42x9 mm
	60 W	37x26x4 mm	46x33x7 mm	53x40x9 mm	61x48x12 mm
	80 W	47x32x8 mm	48x35x8 mm	63x44x9 mm	73x58x12 mm

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 probe end.

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

