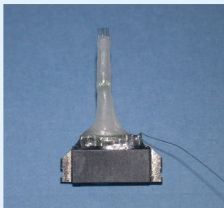
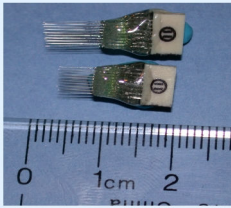
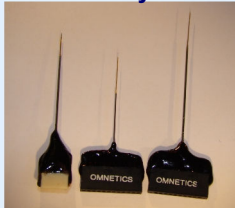
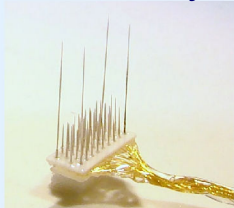


ELECTRODE ARRAY COMPARISON CHART

Available Design Options	Micro Wire Arrays  MWA	Microelectrode Arrays  MEA	Linear Microelectrode Arrays  LMA	Floating Micro-Electrode Arrays  FMA
Compatible connector styles	Any connector style may be used	Any connector style may be used	Any connector style may be used	Omnetics A8141, A8784 & A8828
Maximum # of wires/electrodes per array	64 (using multiple connectors)	128 (using multiple connectors)	24 per shaft (up to 8 shafts)	36 - (or more with NRE costs)
Minimum number of wires/electrodes	4	4	4	4
Distance between electrodes	Multiples of 250 um	0.1 to 1.0 mm	0.1 to 1.0 mm	0.4 mm-selectable with NRE costs
Available electrode metal types	Stainless Steel & Pt/Ir	Tungsten, Pt/Ir & pure Iridium	Pt/Ir	Pt/Ir & pure Iridium
Electrode insulation type	Teflon (TFE) or Polyimide (Kapton)	Parylene-C	Polyimide tubing	Parylene-C
Electrode/wire tip diameters available	25 or 50 um + insulation thickness	1 to 6 um as specified	25, 37.5 and 50 um	1 to 6 um as specified
Maximum electrode/wire lengths	35 mm (5 mm beyond carbo wax)	40 mm	25 mm + SS tube length	10 mm
Polyimide tubing for additional stiffness	no	yes	no	no
Electrodes activated for stimulation	no	yes, for pure iridium	no	yes, for pure Iridium
Individual electrodes of varying lengths	yes, for different rows only	yes - 1.0 to 25 mm	NA	yes - 0.5 to 10.0 mm
Available tip impedance values	0.2 - 0.8 megohm (see web site)	10 kilohm - 2.5 megohm	0.1 - 0.5 megohm (see web site)	10 kilohm to 2.5 megohm
Available with ref. and or grnd. electrode	yes	yes	yes	yes
Maximum quality recording duration	2 to 7 months	4 to 10 months	data still being accumulated	1.8 years as of 07/01/09
Chronic or acute Implantation	Chronic only recommended	both	both	both
Typical delivery time	5 to 10 days for less than 20	8 to 15 days for less than 20	10 to 15 days for less than 5	10 to 20 days for less than 5