



The Microspike biosensors are used as minimally invasive sensors with 4 arrays of 16 microspikes each of which can be used in measuring metabolites, biomarkers and drugs in the interstitial fluid. The microspike substrate material is polycarbonate. The metallic electrodes can be functionalised with other coatings. When used for in situ sensing, the choice of functionalisation conditions depends upon the target analyte being sensed. The devices, developed by a team of scientists at Imperial College London, have been functionalised for sensing glucose, lactate and theophylline. The electrode coating thickness is typically 150nm and offered as standard with a gold (3 electrodes) and silver (1 electrode) version or with 3 platinum and 1 silver electrode. Platinum reduces the noise in the measurements and is more stable. The microspikes are supplied in packs of 10 or 50 and supplied complete with nuts and bolts for electrical connections. Uncoated polycarbonate microspike substrates are also available.

Part Number	Coating	Pack QTY	Price (excluding carriage & VAT)
MB-AUAG-10	3 x Gold, 1 x Silver	10	£750.00
MB-AUAG-50	3 x Gold, 1 x Silver	50	£1900.00
MB-PT-10	3 x Platinum, 1 x Silver	10	£800.00
MB-PT-50	3 x Platinum, 1 x Silver	50	£2000.00
MB-UC-25	uncoated	25	£280.00
MB-UC-50	uncoated	50	£380.00
MB-UC-100	uncoated	100	£480.00

