

Decision Guide

Application	Cell/Tissue	Instrument	Electrode	Field of Study	Comments
Ex Vivo	Brain Tissue or Brain Slice	ECM 830, ECM 2001	Tissue Slice Chamber/Tissue Chamber/L-Shaped Needle	Neurobiology	Transfection of delicate brain tissue and tissues with unique morphologies are more easily transfected with our new tissue slice chamber, L-shaped platinum needles or other BTX electrodes.
	Retina/Cornea	ECM 830, ECM 2001	Tissue Slice Chamber/Tissue Chamber/Genepaddles	Developmental Biology	
	Tumor/Skin	ECM 830, ECM 2001	Tissue Chamber/Tweezertrodes/Genetrodes	Cell Biology Ophthalmology Cancer Research Gene Therapy	
In Utero	Embryos	ECM 830, ECM 2001	Tweezertrodes and Genepaddles	Developmental Biology Neuroscience Neurology Embryology	The new smaller size Platinum Tweezertrodes for use with early stage embryos.
In Vivo	Muscle	ECM 830, ECM 2001	2-Needle Array/Genetrodes/Tweezertrodes	Ophthalmology	The numerous electrodes offered by BTX can be used for multiple tissues type depending on the specific application the researcher is trying to perform. To the left are some of the most common recommendations. For more assistance please contact BTX technical support.
	Brain	ECM 830, ECM 2001	L-Shaped Needle/Tweezertrodes/Genepaddles	Cancer Research	
	Skin	ECM 830, ECM 2001	2-Needle Array/Calipers/Tweezertrodes/Genetrodes	Vaccine Development	
	Retina	ECM 830, ECM 2001	Tweezertrodes/Genepaddles	Gene Therapy	
	Cornea	ECM 830, ECM 2001	Tweezertrodes/Genetrodes	Immunology	
	Tumors	ECM 830, ECM 2001	2-Needle Array/Calipers/Tweezertrodes/Genetrodes	Developmental Biology	
	Other Soft Tissue	ECM 830, ECM 2001	2-Needle Array/Calipers/Tweezertrodes/Genetrodes/Genepaddles/L-Shaped Needles	Cell Biology Neurology Biological Sciences	
In Ovo	Chick Embryo	ECM 830, ECM 2001	L-Shaped Genetrodes/L-Shaped Needle	Neurobiology	The Genetrodes are available in 3 different sizes and the New L-Shaped Needle electrodes provides a finer diameter needle in various length tips to best suit the dimensions of your target tissue.
	Zebra Fish	ECM 830, ECM 2001	L-Shaped Genetrodes/Tissue Chamber/Genepaddles/Tweezertrodes	Developmental Biology	
	Xenopus	ECM 830, ECM 2001	L-Shaped Genetrodes/Tweezertrodes/Genepaddles	Ophthalmology Regenerative medicine Embryology	
In Tact Plant	Plant Fragments	ECM 630	Tissue Chambers/Microslides/Tweezertrodes/Cuvettes	Cellular Physiology	The electrodes can vary for plant applications depending on the target tissue.
	Seeds	ECM 630	Tissue Chambers/Microslides/Tweezertrodes/Cuvettes	Food and Agriculture	
	Anthers	ECM 630	Tissue Chambers/Microslides/Tweezertrodes/Cuvettes	Plant Biology	
	Pollen	ECM 630	Tissue Chambers/Microslides/Tweezertrodes/Cuvettes		