

Radnoti

Radnoti Field Stimulating Electrodes:

Universal Platinum Electrodes
Combination Tissue Hook/Electrodes
Field Stimulating Platinum Electrodes

Universal Platinum Electrodes

Radnoti Glass Technology now provides the researcher with several combinations of interchangeable tissue supports and stimulating electrode inserts designed for isolated tissue research. The combination tissue support and stimulating electrode inserts are designed for 10ml and larger Radnoti Tissue Baths. This design allows adjustment of electrodes both vertically and horizontally, permitting precise placement of leads in relation to the sample.

For the experimenter using tissue strips or spirals, the straight lead (160152-11), zig-zag lead (160152-12) or the coil leads (160152-13) may be used depending on user preference. For users of very small samples, the coil lead (160152-13) or (160152-15) flat lead configuration are recommended. The L-type (160152-14) tissue combination support is designed to stimulate rings cut from blood vessels. The ring is slid on the lower support, attached to a tri-shape tissue support (158817 and 158819) and placed under tension between the two horizontal platinum wire electrodes.

The modular design allows researchers to have a single standard electrode holder and change electrode leads when changing experimental protocol or to repair electrodes.

Combination Tissue Support/Stimulating Electrode

Radnoti Glass Technology now provides the researcher with several selections in tissue support and stimulating electrode combinations designed for isolated tissue research. The combination tissue support and stimulating electrodes are designed for both the 5-10ml and the 25-50ml Radnoti Tissue Baths. The L-type tissue support (160121) is designed to stimulate rings cut from blood vessels. The ring is cut, slid on the lower support, attached to a tri-shape tissue support (158817 and 158819) and placed under tension between the two horizontal platinum wire electrodes. For the experimenter using strips or spirals, the 10mm diameter ring electrodes (ring-type 160131), or the 10mm vertically-separated zig-zag electrodes (vertical-type 160151) may be used. Radnoti also supplies hook-shaped tissue supports without electrodes (glass hooks 160170, 160171 and 160172) for muscle preparations.

Field Stimulating Platinum Electrodes

Electrical field stimulation is used to provoke contractions and/or the release of neurotransmitters from quiescent tissues. The Radnoti Stimulating Electrode is constructed of platinum wire sealed in glass and is designed to insert into our organ baths. This electrode features a dual vertical spiral coil design with a 1 cm gap that provides a large, uniform electrical field that surrounds the tissue. Our spiral coil electrodes permit observation of the tissue. The Radnoti Stimulating Electrode is well suited for stimulating sections of blood vessels, various other smooth or skeletal muscle preparations or any type of tissue that requires field stimulation.



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