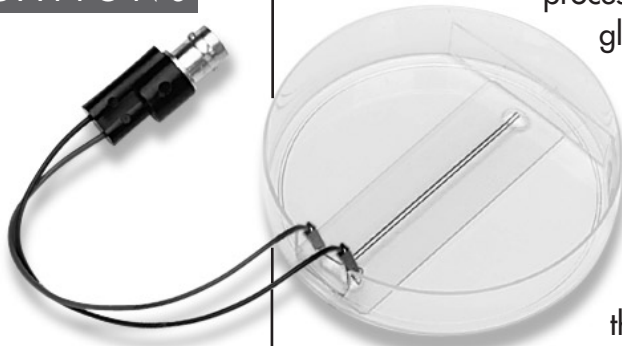


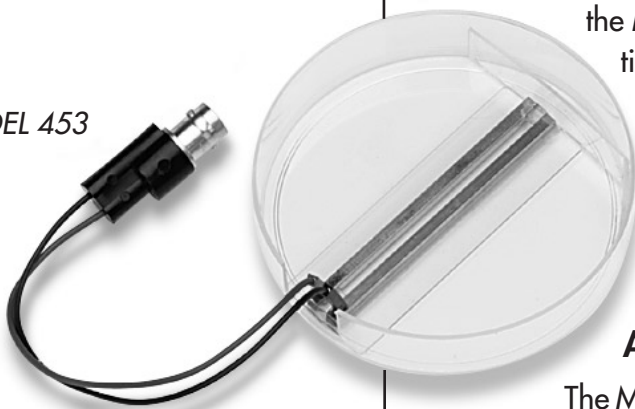
Microslides

TECHNICAL SPECIFICATIONS

MODEL 450



MODEL 453



The BTX Microslides are used primarily with the ECM[®] 2001 Electro Cell Manipulator. The Microslide fits on the microscope allowing observation of the alignment and fusion process. The Microslide 450 is composed of a glass microslide and two strips of 0.5 mm stainless steel tubing which functions as electrodes to provide a divergent field. These wires are set apart at different gaps to provide various field strengths and volumes. Microslide 453 has two stainless steel square bars that are set apart at various gaps to provide homogeneous fields.

The Square Post Cable is used to connect the Microslide 450 and 453 to the Coaxial Connection Cable which will be hooked up to the ECM 2001 generator.

APPLICATIONS

The Microslides have been used for embryo manipulation¹ and cell or protoplast fusion². Advantage of the Microslide is that the process of dimer formation can be observed under the microscope.

The Electroporation Experts

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REFERENCES

- 1 BTX Protocol PR0117, Personal communication with Dr. James Robl, University of Massachusetts.
- 2 Saunders, J.A. and Bates, G.W., Guide to Electroporation and Electrofusion, Academic Press, p. 477-479, 1991

ELECTRICAL & TECHNICAL SPECIFICATIONS

Standard Capabilities *Depending on buffer composition and generator capability

Voltage Range:	0 - 500 Vdc
Pulse Length/Time Constants Range:	1 µsec - 99 msec
Pulse Number Range:	1-99 (depending on voltage)
Operating Temperature:	5° - 40° C
Intended Use:	Indoor Use
Relative Humidity:	20-80%
Maximum Altitude:	2000m (6562 ft)
Pollution Degree:	II
Insulation Category:	CAT I

Physical Characteristics	450	450-1	453	453-10
Gap Size:	0.5 mm	1.0 mm	3.2 mm	10 mm
Volume:	20 µl	40 µl	0.7 ml	2.2 ml
Autoclavable:	No	No	No	No

Compatibility

Generators: ECM 630, 830, 395, 399, 2001, 200, 600, & T820

Monitoring: Enhancer 400 recommended

ORDERING INFORMATION

Model	Description	Part Number
450	Microslide 20 µl - package of 10, 0.5mm gap	01-000209-01
450-1	Microslide 40 µl - package of 10, 1.0mm gap	01-000210-01
453	Microslide 3.2 mm gap - package of 1	01-000211-01
453-10	Microslide 10 mm gap - package of 1	01-000212-01
5343	Coaxial Banana Plug Connection Cable, 10 ft	06-700042-01
465	Square Post Cables	06-700044-01