

CELL FUSION

CF-150/B



The CF-150B impulse generator and corresponding electrode chamber are exclusively designed for electrofusion of mammalian embryo blastomeres and cell or nucleus with a mammalian egg in either electrolyte or non-electrolyte solutions.

A properly oriented short electric impulse applied to the attached cells dissolves the membranes, allowing cytoplasmic and nuclear fusion of the cells. The instrument's major field of applications are the production of tetraploid mouse embryos and somatic nuclear transfer cloning.



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ELECTRODES

GSS-1000

GSS-500

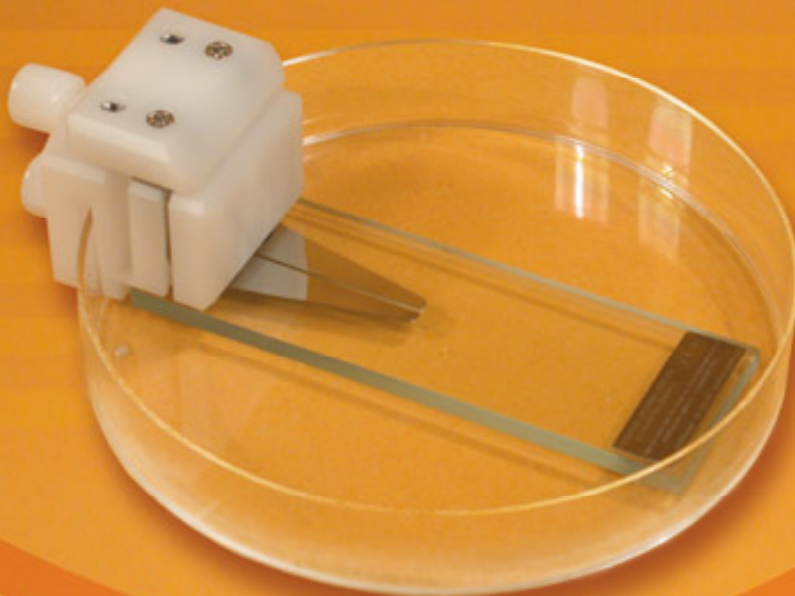
GSS-250



The CF-150B cell fusion instrument operates with specially designed high precision electrode chambers. The chambers are made with three different gap distances; 250 μ m, 500 μ m and 1000 μ m with corresponding model names of GSS-250, GSS-500 and GSS-1000, respectively. The electrodes are made of high quality stainless steel and attached to a thick glass slide. All the materials used are biologically friendly, non-toxic. The electrodes can be kept clean and sterile with ethanol.

QUICK CLIP

GSH-1



This "quick clip" design secures the electrode to the side of the tissue culture dish (or its lid). It eliminates the risk of accidental sliding during electrofusion, and it provides a permanent attachment for the electrode wires. The clip can be used with any of the three electrodes GSS-250, GSS-500 or GSS-1000.



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