[Retina] Protocol for in vivo electroporation into mouse/rat retina

Schematic illustration showing the in vivo electroporation method.
(1) DNA injection into subretinal space
(2) Electroporation

Tweezer-type electrodes (3) are placed to hold the head of newborn (P0) rat or mouse (4).

A

P21

(A) Whole-mount preparation of rat retina in vivo electroporated with pCAG-GFP at P0 and harvested at P21. Pictures were taken from the scleral side.

(B) Rat retinas in vivo electroporated with pCAG-GFP at P0 were harvested at P2(d-f ), or P5(g-i), and cryosections were prepared.

B

P2

P5

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