

Online Resource 1: Further details on the ICSI dish setups

Manuscript Title: A micro-fabricated device (microICSI) improves porcine blastocyst development and procedural efficiency for both porcine intracytoplasmic sperm injection and human microinjection.

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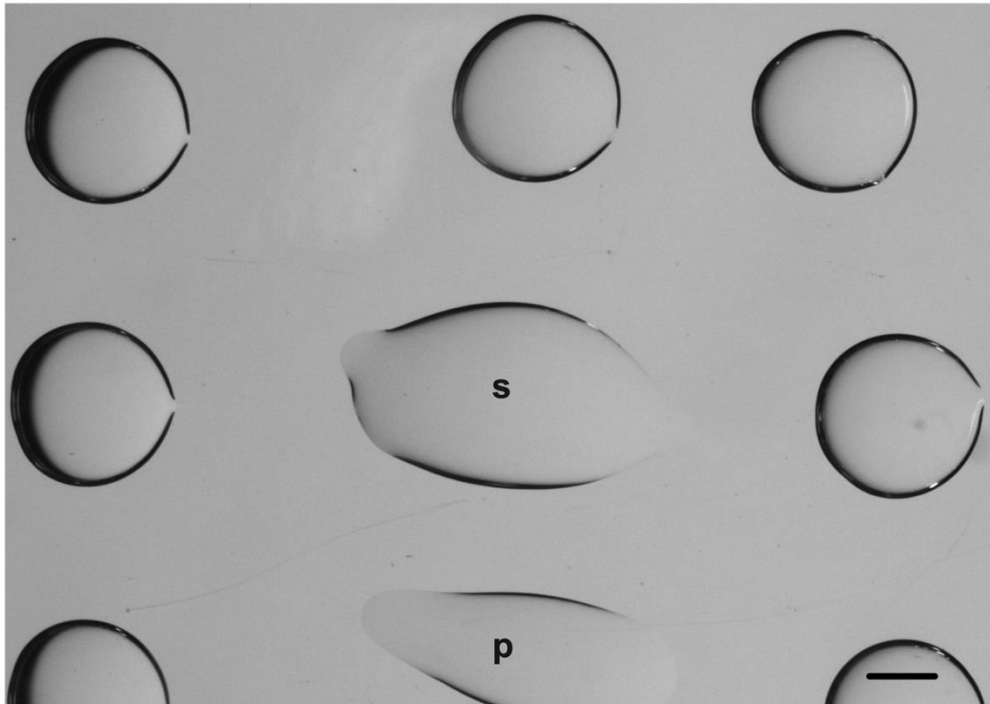


Fig. O1a: Conventional ICSI (C-ICSI) Dish Layout (Scale bar = 1mm); seven 5 μ L media droplets, one 5 μ L 7% PVP droplet indicated by 'p', and one 10 μ L 3.5% PVP droplet indicated by 's' for the sperm arranged in a 3x3 grid in the centre of a Vitrolife ICSI dish and covered in 5 mL of paraffin oil.

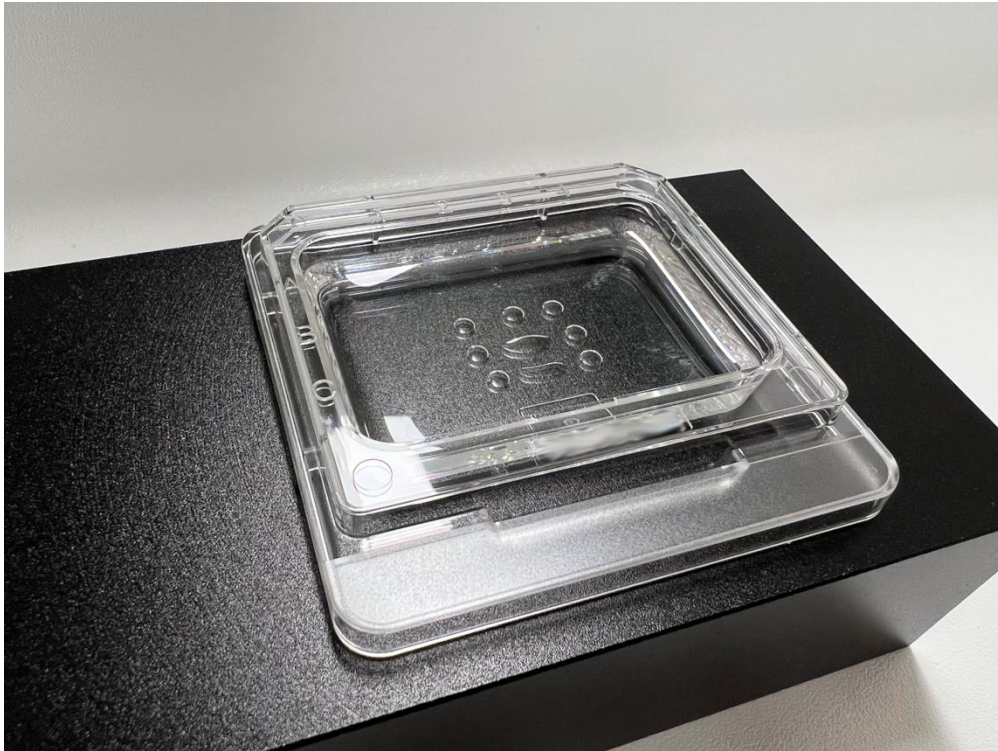


Fig. O1b: Photograph of a prepared C-ICSI dish. Media droplets are in the centre of the dish and covered by 5 mL of paraffin oil.

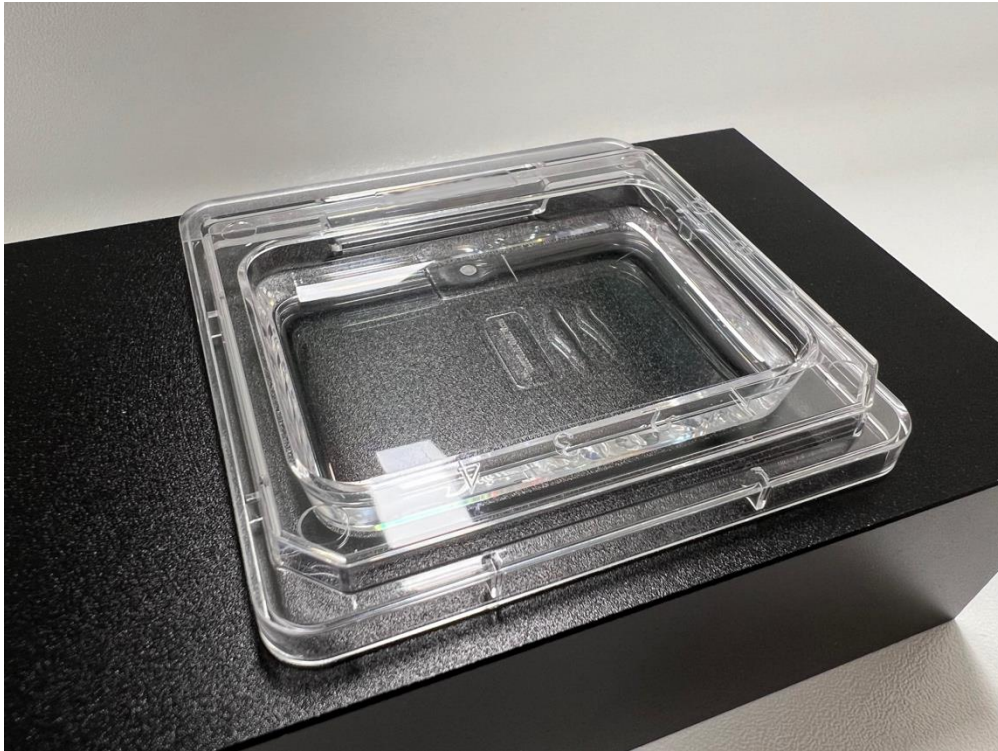


Fig. O1c: Photograph of a prepared microICSI dish. The microICSI array is covered by 20 μL of media with PVP strips to the right of the array, which is all covered by 5 mL of paraffin oil.