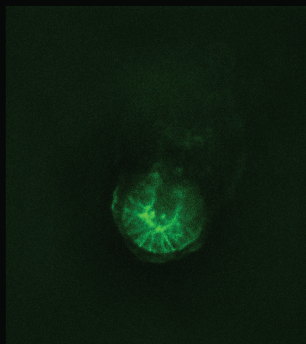


IVC Culture System

Culture through implantation: An *in vitro* culture system for mammalian blastocysts to egg cylinders and beyond



IVC is a defined media system that provides a culturing environment which reduces variability and provides consistency, particularly during critical stages of embryonic development leading up to and beyond implantation.

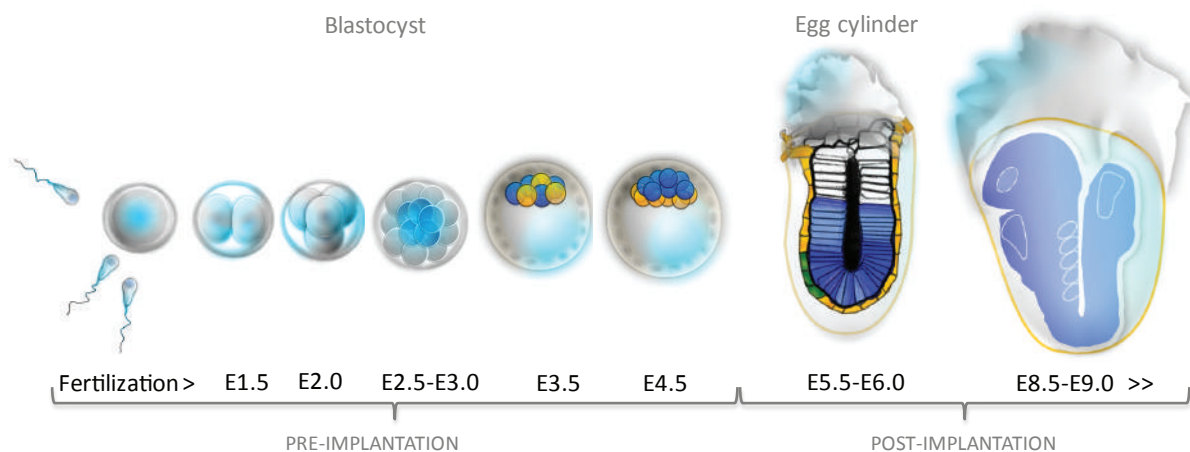
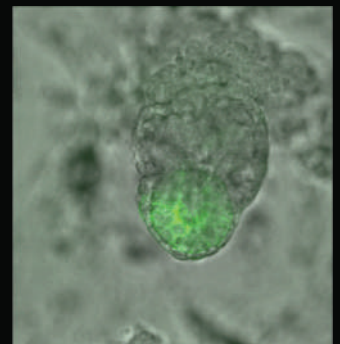


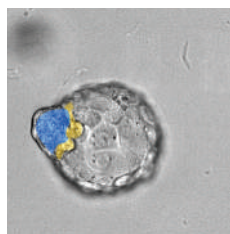
Figure 1. Schematic of early stages of murine development. The IVC system allows *in vitro* culture into post-implantation stages.



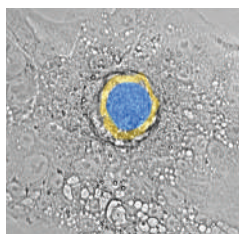
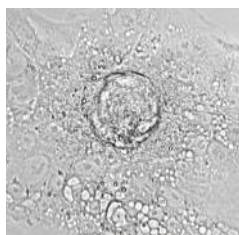
IVC culture media is provided in convenient 5 ml aliquots (5 per box).

IVC-1 is used for the first few days before switching to IVC-2. The IVC system has been validated in human and murine use.

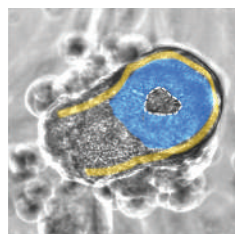
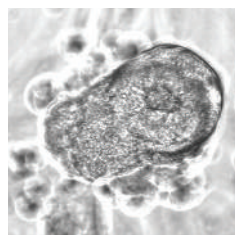
Blastocyst



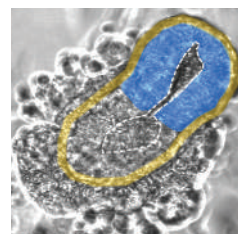
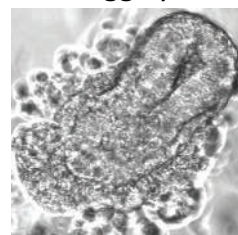
24h



48h



72h



96h

Egg cylinder

Figure 2. The IVC system enables reliable culture through to post-implantation stages corresponding to Theiler stage 12b / Carnegie stage 5c (8 dpc) and beyond.

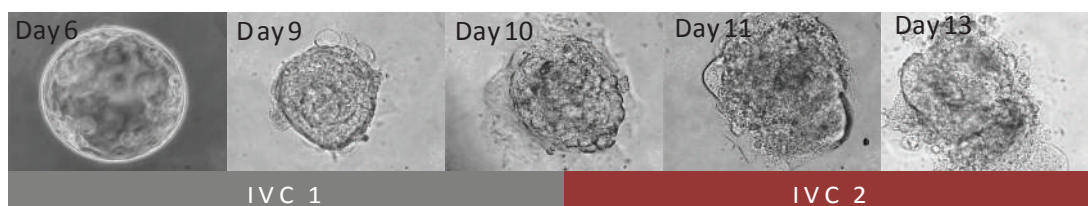


Figure 3. IVC culture of human blastocysts in IVC-1 and IVC-2 through stages equivalent to in-vivo day 13.

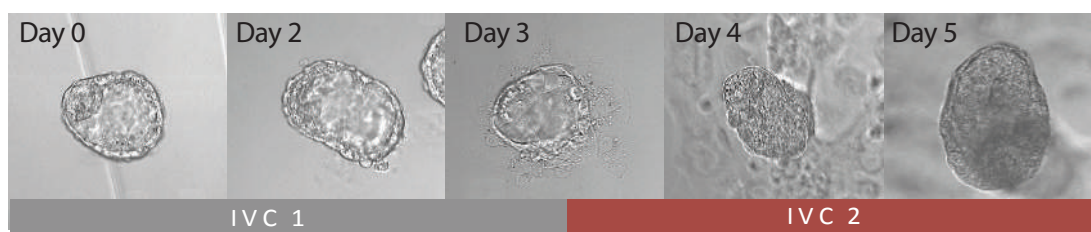


Figure 4. IVC culture of murine blastocysts in IVC-1 and IVC-2 from single cell (day 0) to egg cylinder (day 5).



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Ordering Information

Product

Cat No

IVC-1 media, 25 ml

M11-25

IVC-2 media, 25 ml

M12-25