TECHNOTE



Preparation of EmbryoSlide Flex culture dishes

The EmbryoSlide Flex culture dish is designed specifically for the culture of embryos in the EmbryoScope Flex time-lapse incubator.

The culture dishes hold up to six embryos each and are made of polystyrene certified for use in IVF procedures. They are delivered as individually packed, sterile dishes in convenient handling pouches. Double handling fins provide stable handling, and the barcode label ensures correct registration of patient information and improves the workflow.

Vitrolife recommends preparing the EmbryoSlide Flex culture dishes a day before use. Prepare the dishes on a non-heated surface to avoid evaporation.

The procedure described below requires less than two minutes per culture dish.

The EmbryoSlide Flex culture dish

Embryos are cultured in individual microwells. The microwells are placed in a culture compartment comprising six wells cultured under a common medium droplet. The complete culture area is covered by a common oil layer.

Each well carries a number from 1 to 6 for identification under a stereo microscope. Each well number corresponds to the well identification number in the EmbryoViewer software.

Two rinsing wells are available outside the culture compartment. These special wells can be used during embryo handling (identified as A-B).

Each batch of EmbryoSlide Flex culture dishes must pass our stringent MEA testing procedure before being release for sale as part of the Vitrolife quality assurance.

EmbryoSlide Flex culture dish preparation

Prepare the EmbryoSlide Flex culture dishes a day before use. Prepare one dish at a time to minimise the handling time of each dish.

The EmbryoSlide Flex culture dishes should be prepared with cold medium and oil on a non-heated workbench to avoid evaporation of medium during preparation.

When they have been prepared, the culture dishes must equilibrate overnight or minimum 6 hrs before embryos are loaded into the microwells.

Use a stereo microscope to control the process.

The recommended procedure for preparing the culture dishes is outlined on the next page.











Place the dish in the EmbryoScope Flex incubator.



If you want to change medium during the culture period:

From each reservoir remove 70μ l old medium and add 140μ l new warm equilibrated medium. It is important to remove and add the medium in a constant flow and keep the tip of the pipette away from the embryos.

* Vitrolife recommends using GX-TL[™] medium designed specifically for continuous culture with time-lapse technology and OVOIL Heavy[™] for complete control of your culture system. Vitrolife products are produced under highly controlled processes.