EMBRYO CULTURE GX-TL

Day 0


Gx-TL™


OVOIL™

Prepare micro-droplet culture dishes with 25 µL droplets of Gx-TL for washing and for culture. Cover with OVOIL and pre-equilibrate at

37°C 6 % CO_2 overnight


Gx-MOPS™ PLUS

Warm Gx-MOPS PLUS (for fertilisation assessment) in rinsed tightly capped tubes in a warming incubator **without CO_2*** at

37°C overnight

* An adequately calibrated warming block can be used for tubes instead of a warming incubator.

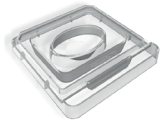
Ensure that the denudation and washing procedures are performed at 37°C

Day 1

1. Fertilisation assessment

For inseminated oocytes, transfer the oocytes to a centre well dish with pre-warmed Gx-MOPS PLUS. If denudation and fertilisation assessment can be performed within 2 minutes, Gx-IVF can be used instead of Gx-MOPS PLUS. Remove cumulus and corona cells from oocytes using a denudation pipette and assess fertilisation at

37°C



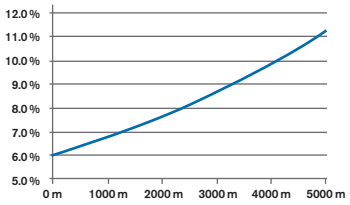
For ICSI oocytes, assess fertilisation in the Gx-TL micro-droplet culture dish.

2. Culture

Wash the zygotes extensively in the Gx-TL micro-droplet dishes prepared on Day 0 and transfer the zygotes to 25 µL Gx-TL culture droplets covered with OVOIL. Culture to the blastocyst stage at

37°C 6 % CO_2

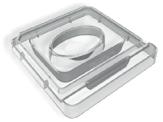
If your clinic is located at a higher altitude than sea level, CO_2 percentage should be increased, see graph below.



We recommend Gx-MOPS PLUS for washing and assessment of embryos before transfer to Gx-TL or EmbryoGlue®

Day 5

In the morning of day 5



Assess embryo cleavage and move the blastocysts selected for transfer to the equilibrated transfer dish and leave at

37°C 6 % CO_2 until transfer

For blastocyst transfer, see separate Embryo transfer protocol

Vitrolife