



QC

Certificate of Analysis



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**REQUESTED BY:** GENESIS EMBRYOLOGY PVT.LTD (1st Floor,78/2/4,Vadsar Road,, GIDC Makarpura 390010 Vadodara India)

**ASSAY REQUESTED BY CUSTOMER:** MEA - Standard Mouse embryo assay

**OPERATION PROCEDURE:** SOP-MEA-00/WI-MEA-05  
**TYPE OF ASSAY:** Direct  
**INTERNAL NUMBER:** MEA.025.1190.2025  
**DATE:** 11/11/2025 - 15/11/2025

Product information provided by the customer (Embryotools cannot be held responsible for the veracity of this information)

**DESCRIPTION OF TEST PRODUCT:** Genesis Embryology 35MM Dish  
**REF:** 35D0202  
**LOT NUMBER:** 01020102  
**EXP. DATE:** 05/2028

PROTOCOL:

Test culture dishes were prepared with commercial single medium and equilibrated overnight prior to use. Fresh 1-cell stage mouse embryos were collected from F1 hybrid females (B6/CBA) crossed with males from the same genetic background, washed thoroughly and cultured directly in the test dishes in drops of 50ul, in groups of 2, up to Day 5 (96 hours). Control group was prepared following the same set-up and conditions, and embryos cultured in parallel with no exposure to test samples. Embryo development of test and control group was followed every 24 h and photos were taken and included in this report (annex I).

CONTROL AND TEST ASSAY RESULTS:

Embryo developmental rates of control and tested group.

| Embryo development rates                          |    |                               |                                          |                                                |         |
|---------------------------------------------------|----|-------------------------------|------------------------------------------|------------------------------------------------|---------|
|                                                   | n  | Day 2<br>Two-cell stage n (%) | Day 5 Expanded<br>blastocyst stage n (%) | Good Quality (morphology)<br>Blastocysts n (%) | Result  |
| Control                                           | 15 | 15 (100)                      | 14 (93.33)                               | 12 (85.71)                                     | Passed* |
| Genesis Embryology<br>35MM Dish<br>(Lot:01020102) | 21 | 21 (100)                      | 20 (95.24)                               | 17 (85)                                        | Passed* |

**SUMMARY OF OBSERVATIONS:** All test and control embryos were selected randomly from a common pool and cultured at 37.3°C with a tri-gas atmosphere with optimal %CO2 and %O2. Embryotools acceptance criteria for this standard test is that more than 80% of mouse embryos develop to the expanded blastocyst stage and pass a visual morphological examination of the inner cell mass (ICM) and trophectoderm (TE) cells. The results of this assay refer to the items tested.

\* More than 80% of the test group embryos developed to the expanded blastocyst stage within 5 days, fulfilling acceptance criteria for this test.

These results are representative of the test samples submitted by the customer.

This assay was performed in accordance with ISO 17025 requirements and internal procedures aligned with the principles of Good Laboratory Practice (GLP).

Nuno Costa-Borges, PhD

Scientific Director

Enric Mestres, PhD

Quality Assurance





Annex I  
Control

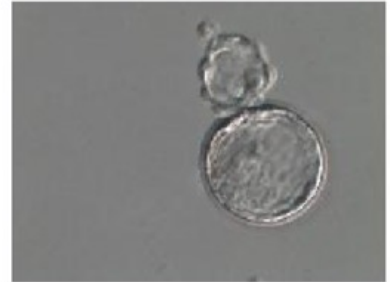
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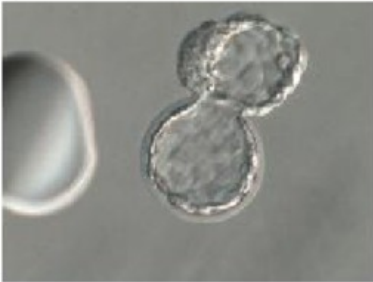
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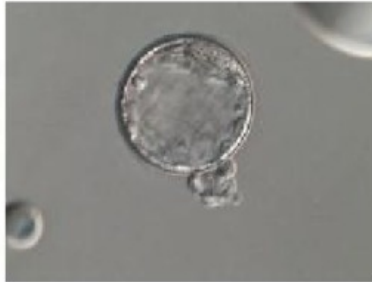
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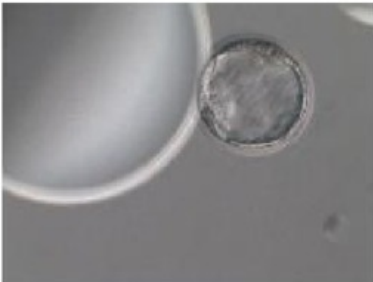
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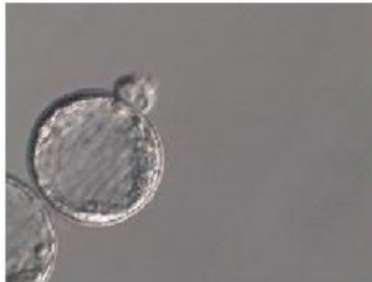
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#7, 15/11/2025 10:30:11



#8, 15/11/2025 10:30:40



#9, 15/11/2025 10:30:43



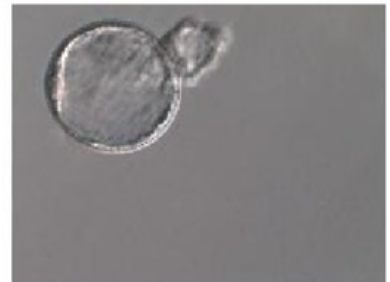
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#11, 15/11/2025 10:31:09



#12, 15/11/2025 10:31:17



#13, 15/11/2025 10:31:19



#14, 15/11/2025 10:31:29



#15, 15/11/2025 10:31:32





Genesis Embryology 35MM Dish  
(REF: 35D0202 ; Lot: 01020102)

#1, 15/11/2025 9:56:17



#2, 15/11/2025 9:56:21



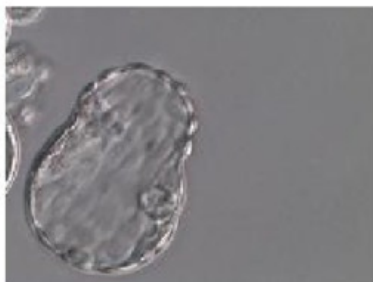
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#7, 15/11/2025 9:57:20



#8, 15/11/2025 9:57:32



#9, 15/11/2025 9:57:34



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#11, 15/11/2025 9:57:47



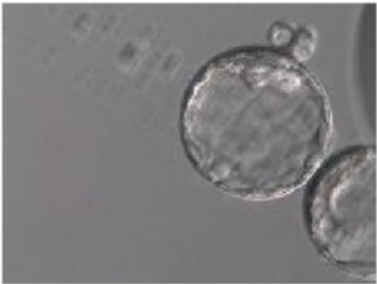
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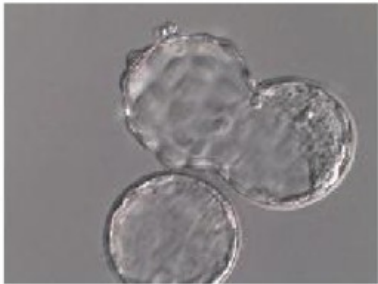


Genesis Embryology 35MM Dish  
(REF: 35D0202 ; Lot: 01020102)

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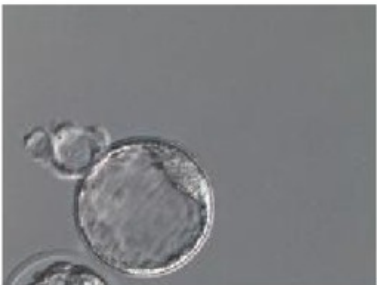
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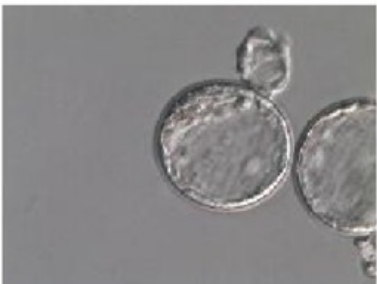
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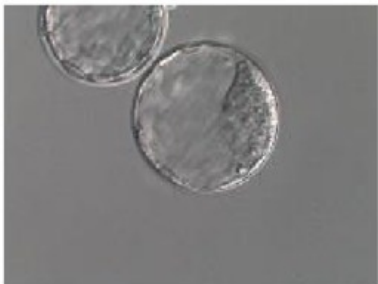
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#20, 15/11/2025 9:58:51



#21, 15/11/2025 9:58:53

