

QC

Certificate of Analysis

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.024.1447.2025**DATE:** 25/04/2025 - 29/04/2025

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

DESCRIPTION OF TEST PRODUCT: Genesis Embryology Center Well Dish**REF:** CD0202**LOT NUMBER:** 01020102**EXP. DATE:** 01/2028**PROTOCOL:**

Test culture dishes were prepared with commercial single medium in triplicate 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 Two-cell stage n (%)	Day 5 Expanded blastocyst stage n (%)	Good Quality (morphology) Blastocysts n (%)	Result
Control	15	15 (100)	15 (100)	14 (93.33)	Passed*
Genesis Embryology Center Well Dish (Lot:01020102)	21	21 (100)	20 (95.24)	18 (90)	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.

Nuno Costa-Borges, PhD

Scientific Director

Enric Mestres, PhD

Quality Assurance



Annex I
Control

#1, 29/04/2025 10:16:50



#2, 29/04/2025 10:17:22



#3, 29/04/2025 10:17:31



#4, 29/04/2025 10:18:16



#5, 29/04/2025 10:18:23



#6, 29/04/2025 10:18:48



#7, 29/04/2025 10:18:54



#8, 29/04/2025 10:19:47



#9, 29/04/2025 10:19:54



#10, 29/04/2025 10:20:17



#11, 29/04/2025 10:20:25



#12, 29/04/2025 10:20:49



#13, 29/04/2025 10:20:54



#14, 29/04/2025 10:21:21



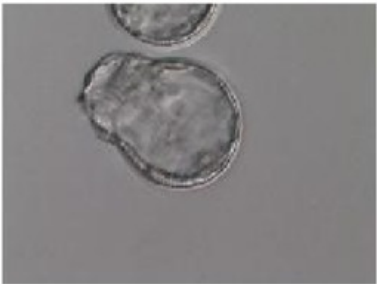
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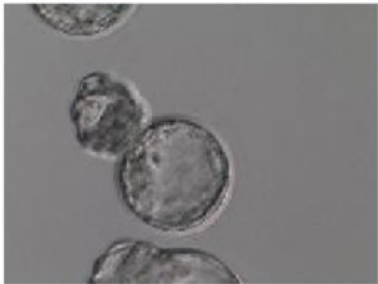


Genesis Embryology Center Well Dish
(REF: CD0202 ; Lot: 01020102)

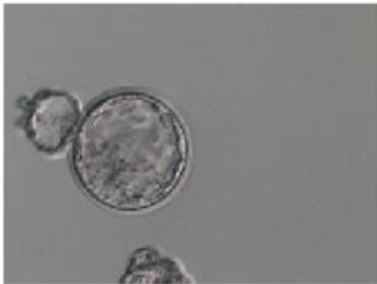
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#2, 29/04/2025 10:46:03



#3, 29/04/2025 10:46:06



#4, 29/04/2025 10:46:22



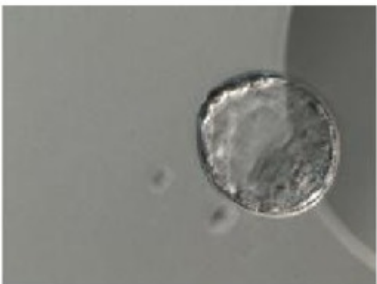
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#6, 29/04/2025 10:46:50



#7, 29/04/2025 10:46:54



#8, 29/04/2025 10:47:10



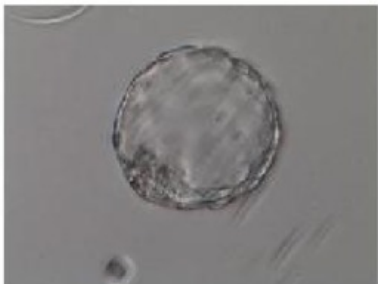
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#11, 29/04/2025 10:47:32



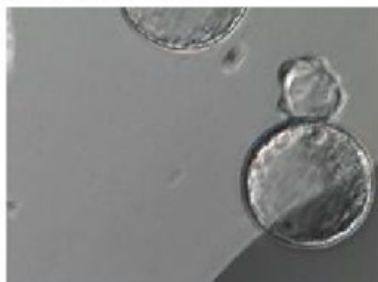
#12, 29/04/2025 10:47:48





Genesis Embryology Center Well Dish
(REF: CD0202 ; Lot: 01020102)

#13, 29/04/2025 10:47:50



#14, 29/04/2025 10:48:02



#15, 29/04/2025 10:48:06



#16, 29/04/2025 10:48:18



#17, 29/04/2025 10:48:20



#18, 29/04/2025 10:48:36



#19, 29/04/2025 10:48:41



#20, 29/04/2025 10:49:09



#21, 29/04/2025 10:49:13

