

QC

Certificate of Analysis

embryotools

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REQUESTED BY: Durviz, S.L (C/Leonardo da Vinci, 10, Paterna 46980 Spain)**ASSAY REQUESTED BY CUSTOMER:** MEA - Standard Mouse embryo assay**OPERATION PROCEDURE:** SOP-MEA-00/WI-MEA-05**TYPE OF ASSAY:** Indirect**INTERNAL NUMBER:** MEA.020.749.2023**DATE:** 30/03/2023 - 03/04/2023

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

DESCRIPTION OF TEST PRODUCT: BT100 Neptune 100ul Barrier Tip, Racked, Pre-Sterile, S3, rack 10x96 [MEA]**REF:** BT100**LOT NUMBER:** 265210**EXP. DATE:** 30/11/2027**PROTOCOL:**

Three samples were flushed 10 times with previously tested culture medium. Culture dishes were prepared with the extracted 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 in the extracted medium up to Day 5. Control group was prepared following the same set-up and conditions, and embryos cultured in parallel using tested medium not exposed 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)	13 (86.67)	11 (84.62)	Passed*
BT100 Neptune 100ul Barrier Tip, Racked, Pre- Sterile, S3, rack 10x96 [MEA] (Lot:265210)	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

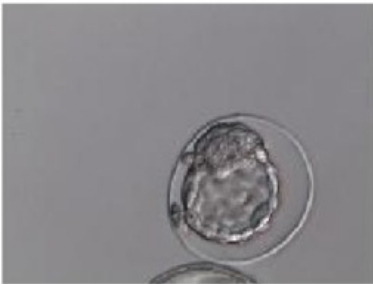
Gloria Calderón, PhD

Quality Assurance

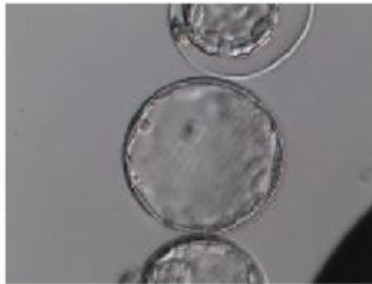


Annex I
Control

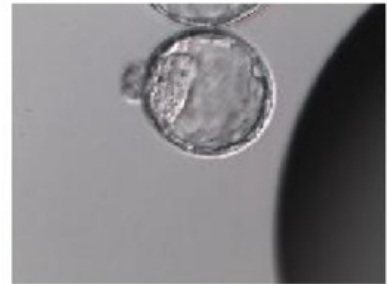
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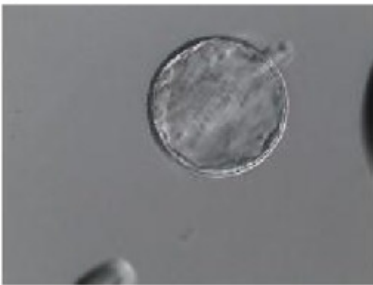
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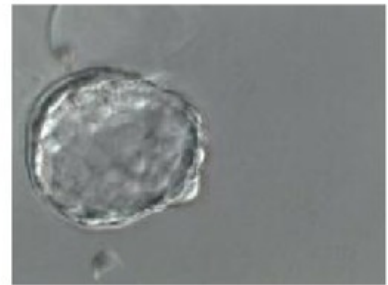
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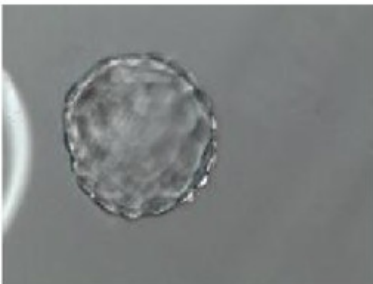
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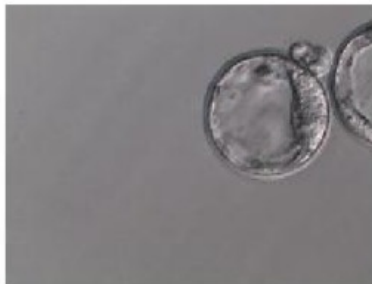
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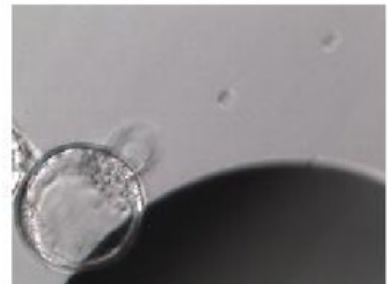
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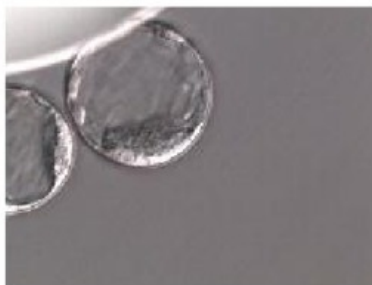
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#10, 03/04/2023 9:18:20



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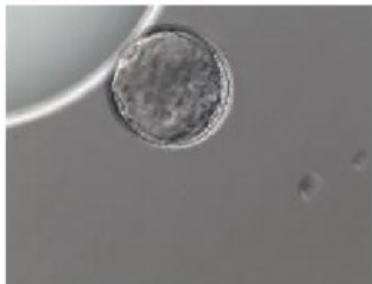
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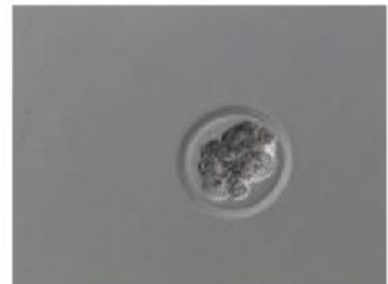
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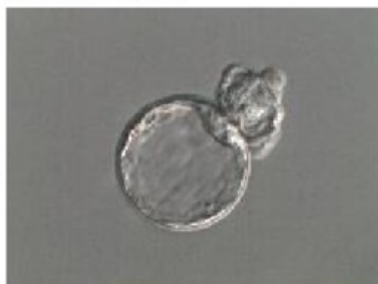
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BT100 Neptune 100ul Barrier Tip, Racked, Pre-Sterile, S3, rack 10x96 [MEA]
(REF: BT100 ; Lot: 265210)

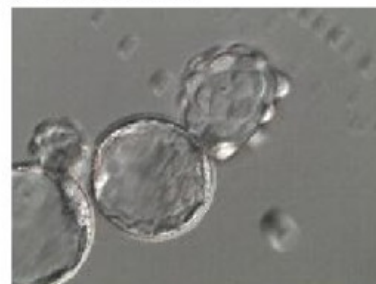
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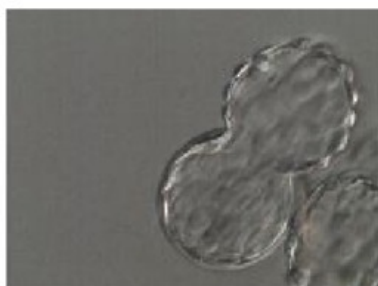
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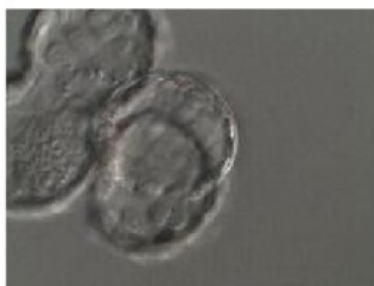
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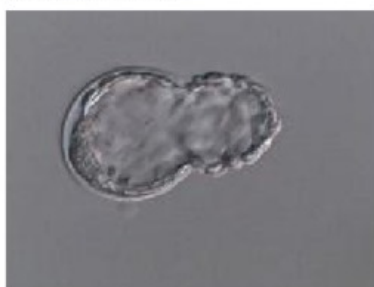
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#8, 03/04/2023 8:34:57



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#10, 03/04/2023 8:35:15



#11, 03/04/2023 8:35:17



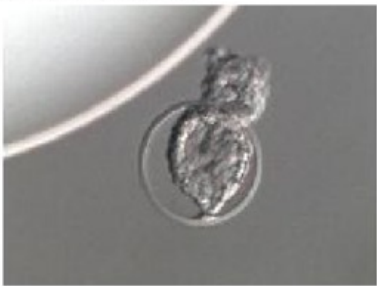
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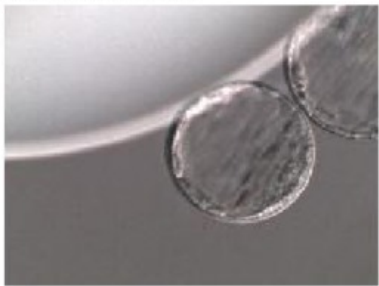


BT100 Neptune 100ul Barrier Tip, Racked, Pre-Sterile, S3, rack 10x96 [MEA]
(REF: BT100 ; Lot: 265210)

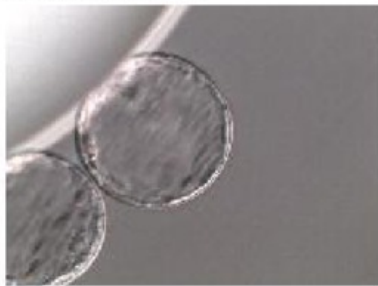
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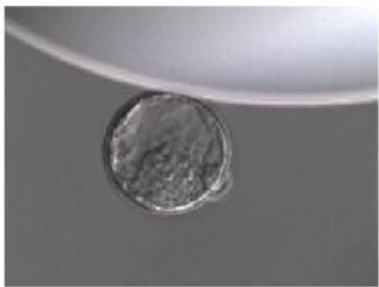
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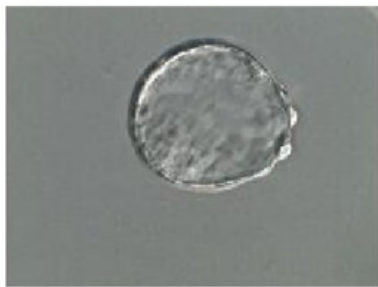
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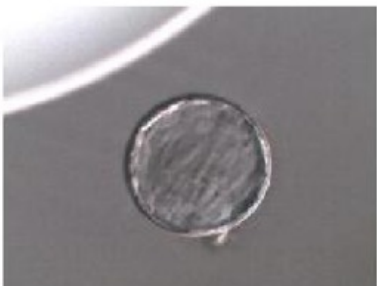
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#20, 03/04/2023 8:37:06



#21, 03/04/2023 8:37:07

