

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.020.751.2023**DATE:** 04/04/2023 - 08/04/2023

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

DESCRIPTION OF TEST PRODUCT: BT1250 Neptune 1000ul extended length barrier tip, Racked, Pre-Sterile, S3, rack**REF:** BT1250**LOT NUMBER:** 265225**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)	14 (93.33)	12 (85.71)	Passed*
BT1250 Neptune 1000ul extended length barrier tip, Racked, Pre-Sterile, S3, rack (Lot:265225)	21	21 (100)	20 (95.24)	19 (95)	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

#1, 08/04/2023 10:39:47



#2, 08/04/2023 10:39:49



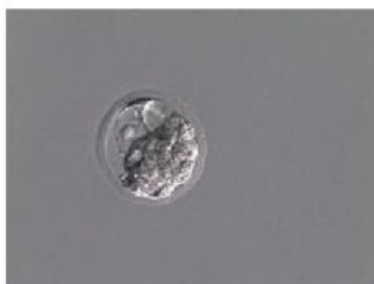
#3, 08/04/2023 10:39:54



#4, 08/04/2023 10:40:06



#5, 08/04/2023 10:40:13



#6, 08/04/2023 10:40:31



#7, 08/04/2023 10:40:32



#8, 08/04/2023 10:40:56



#9, 08/04/2023 10:40:57



#10, 08/04/2023 10:41:08



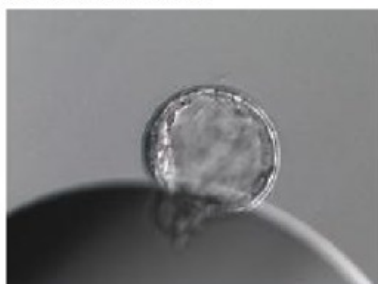
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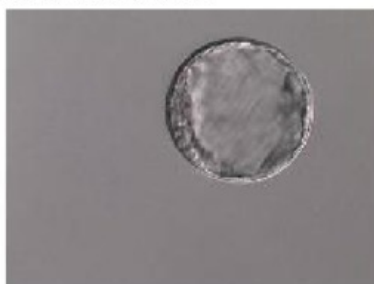
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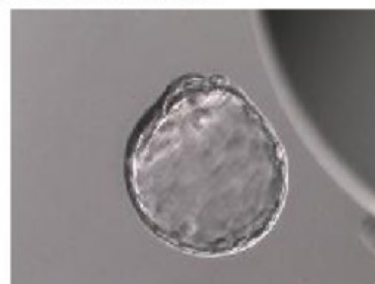
#13, 08/04/2023 10:41:25



#14, 08/04/2023 10:41:36



#15, 08/04/2023 10:41:38

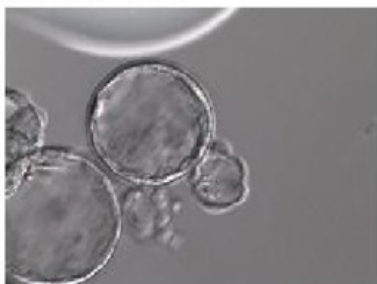




BT1250 Neptune 1000ul extended length barrier tip, Racked, Pre-Sterile, S3, rack
(REF: BT1250 ; Lot: 265225)

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#1, 08/04/2023 9:59:51



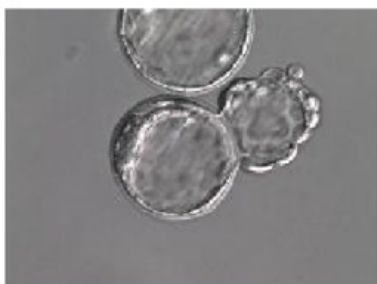
#2, 08/04/2023 9:59:53



#3, 08/04/2023 9:59:56



#4, 08/04/2023 10:00:11



#5, 08/04/2023 10:00:12



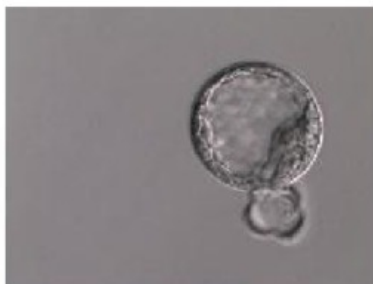
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#7, 08/04/2023 10:00:29



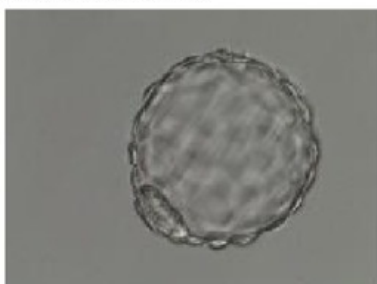
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#9, 08/04/2023 10:00:48



#10, 08/04/2023 10:00:59



#11, 08/04/2023 10:01:13



#12, 08/04/2023 10:01:24





BT1250 Neptune 1000ul extended length barrier tip, Racked, Pre-Sterile, S3, rack
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#13, 08/04/2023 10:01:25



#14, 08/04/2023 10:01:45



#15, 08/04/2023 10:01:47



#16, 08/04/2023 10:02:00



#17, 08/04/2023 10:02:04



#18, 08/04/2023 10:02:17



#19, 08/04/2023 10:02:24



#20, 08/04/2023 10:02:39



#21, 08/04/2023 10:02:44

