

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.020.750.2023

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: BT200 Neptune 200ul Barrier Tip, Racked, Pre-Sterile, S3, rack 10x96 lote

REF: BT200

LOT NUMBER: 263089

EXP. DATE: 30/09/27

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				Result
	n	Day 2 Two-cell stage n (%)	Day 5 Expanded blastocyst stage n (%)	Good Quality (morphology) Blastocysts n (%)	
Control	15	15 (100)	13 (86.67)	11 (84.62)	Passed*
BT200 Neptune 200ul Barrier Tip, Racked, Pre- Sterile, S3, rack 10x96 lote (Lot:263089)	21	21 (100)	21 (100)	19 (90.48)	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 trophoctoderm (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.

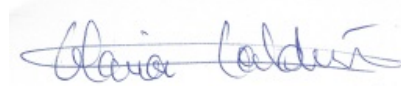
These results are representative of the test samples submitted by the customer.

Nuno Costa-Borges, PhD



Scientific Director

Gloria Calderón, PhD



Quality Assurance

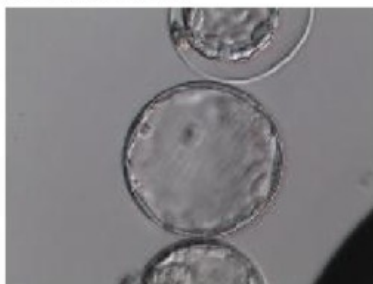


Annex I
Control

#1, 03/04/2023 9:16:31



#2, 03/04/2023 9:16:34



#3, 03/04/2023 9:16:35



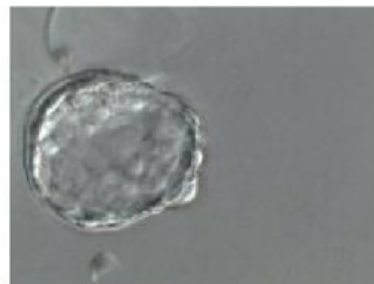
#4, 03/04/2023 9:16:55



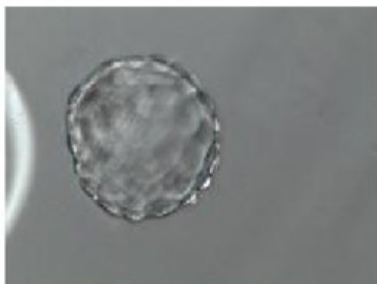
#5, 03/04/2023 9:17:02



#6, 03/04/2023 9:17:21



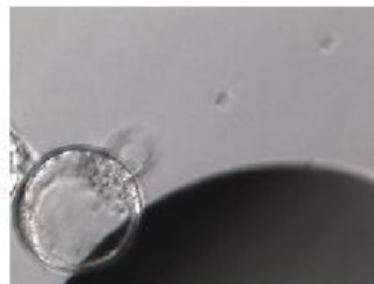
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#8, 03/04/2023 9:17:47



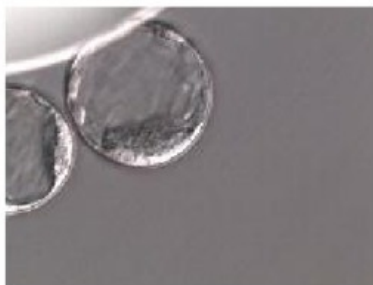
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#10, 03/04/2023 9:18:20



#11, 03/04/2023 9:18:22



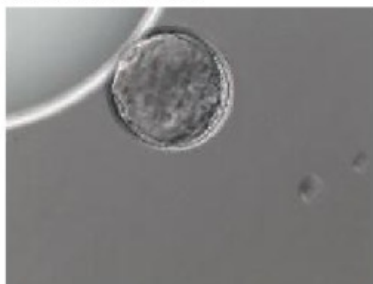
#12, 03/04/2023 9:18:46



#13, 03/04/2023 9:18:47



#14, 03/04/2023 9:19:01



#15, 03/04/2023 9:19:03





BT200 Neptune 200ul Barrier Tip, Racked, Pre-Sterile, S3, rack 10x96 lote
(REF: BT200 ; Lot: 263089)

#1, 03/04/2023 8:58:18



#2, 03/04/2023 8:58:19



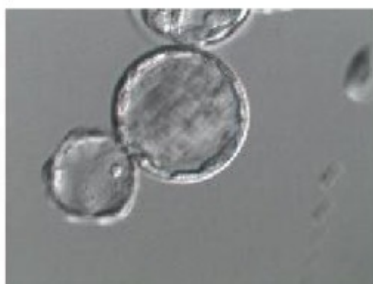
#3, 03/04/2023 8:58:22



#4, 03/04/2023 8:58:36



#5, 03/04/2023 8:58:38



#6, 03/04/2023 8:58:55



#7, 03/04/2023 8:58:58



#8, 03/04/2023 8:59:11



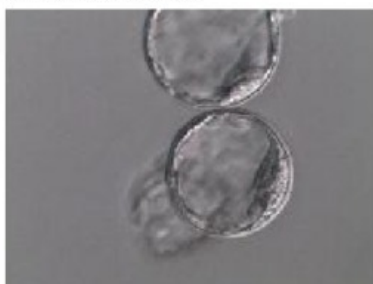
#9, 03/04/2023 8:59:13



#10, 03/04/2023 8:59:28



#11, 03/04/2023 8:59:29



#12, 03/04/2023 8:59:43





BT200 Neptune 200ul Barrier Tip, Racked, Pre-Sterile, S3, rack 10x96 lote
(REF: BT200 ; Lot: 263089)

#13, 03/04/2023 8:59:45



#14, 03/04/2023 8:59:59



#15, 03/04/2023 9:00:00



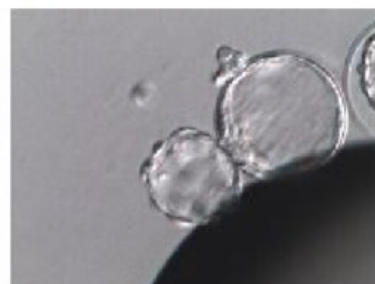
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#17, 03/04/2023 9:00:15



#18, 03/04/2023 9:00:29



#19, 03/04/2023 9:00:31



#20, 03/04/2023 9:00:59



#21, 03/04/2023 9:01:00

