

QC

Certificate of Analysis

REQUESTED BY: Durviz, S.L (C/Leonardo da Vinci, 10, Paterna 46980 724)

ASSAY REQUESTED BY CUSTOMER: MEA - Standard Mouse embryo assay

OPERATION PROCEDURE: SOP-MEA-00

TYPE OF ASSAY: Indirect

INTERNAL NUMBER: MEA.010.249.2018

DATE: 05/03/2018 - 09/03/2018

DESCRIPTION OF TEST PRODUCT: BT100 Neptune 100ul Barrier Tip, Racked, Pre-Sterile, S3, rack 10x96 [MEA]

REF: BT100

LOT NUMBER: 168211

EXP. DATE: 30-12-2022

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:

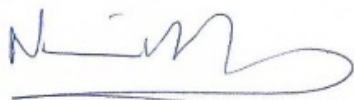
Embryo developmental rates of control and tested group.

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)	15 (100)	15 (100)	Passed*
BT100 Neptune 100ul Barrier Tip, Racked, Pre- Sterile, S3, rack 10x96 [MEA] (Lot:168211)	21	21 (100)	20 (95.24)	20 (100)	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.

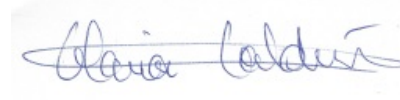
* More than 80% of the test group embryos developed to the expanded blastocyst stage within 5 days, fulfilling acceptance criteria for this test.

Nuno Costa-Borges, PhD



Scientific Director

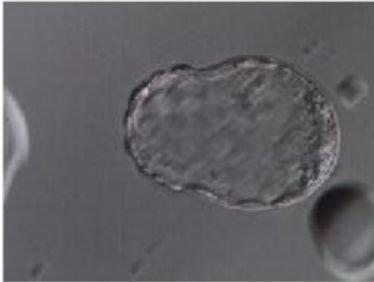
Gloria Calderón, PhD



Quality Assurance

Annex I
Control

#1, 09/03/2018 11:07:51



#2, 09/03/2018 11:08:04



#3, 09/03/2018 11:08:13



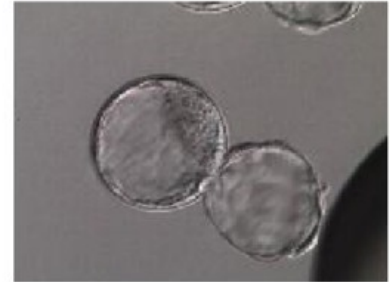
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#5, 09/03/2018 11:08:44



#6, 09/03/2018 11:09:29



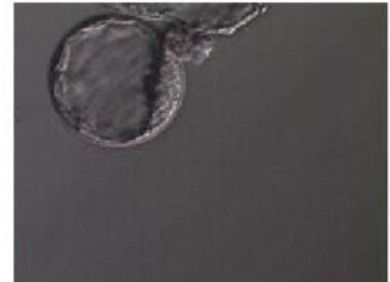
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#8, 09/03/2018 11:13:01



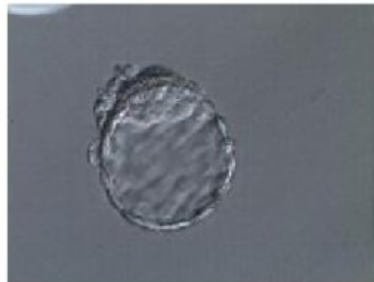
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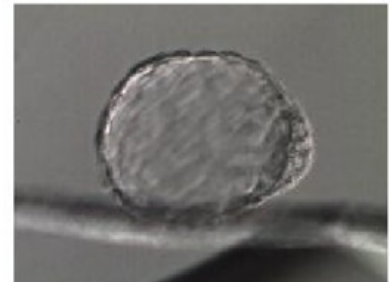
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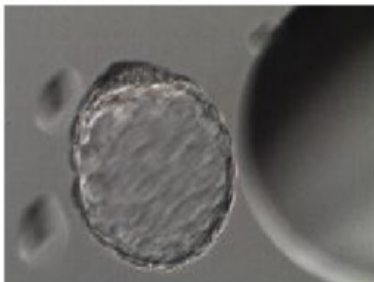
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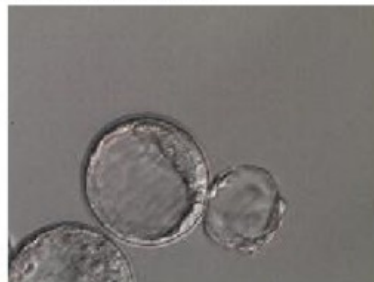
#12, 09/03/2018 11:13:59



#13, 09/03/2018 11:14:06



#14, 09/03/2018 11:14:26



#15, 09/03/2018 11:14:33



BT100 Neptune 100ul Barrier Tip, Racked, Pre-Sterile, S3, rack 10x96 [MEA]
(REF: BT100 ; Lot: 168211)

#1, 09/03/2018 10:54:37



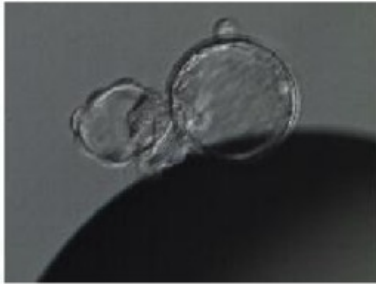
#2, 09/03/2018 10:54:45



#3, 09/03/2018 10:54:54



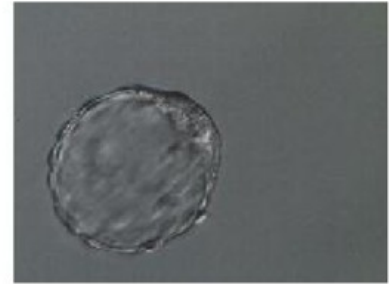
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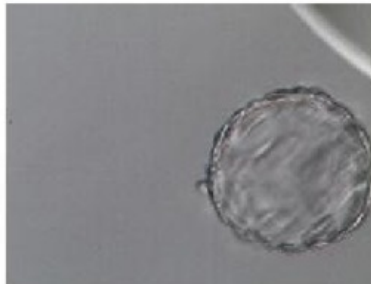
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#7, 09/03/2018 10:56:21



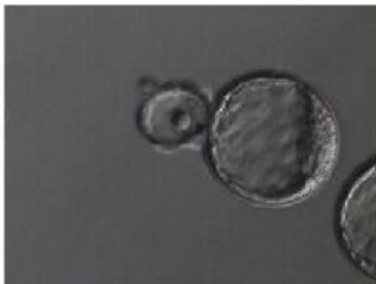
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#9, 09/03/2018 10:56:48



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#12, 09/03/2018 10:58:16

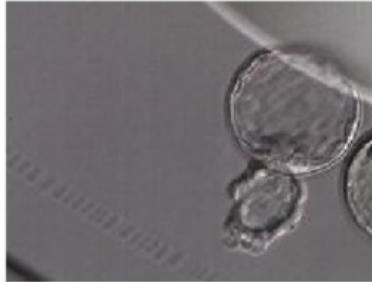


BT100 Neptune 100ul Barrier Tip, Racked, Pre-Sterile, S3, rack 10x96 [MEA]
(REF: BT100 ; Lot: 168211)

#13, 09/03/2018 10:58:23



#14, 09/03/2018 10:58:45



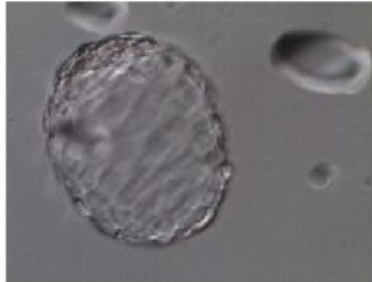
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#16, 09/03/2018 10:59:13



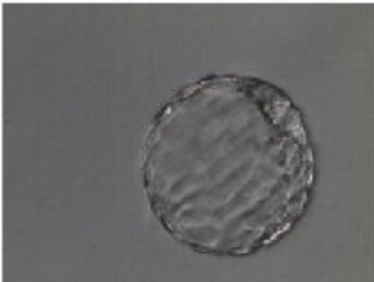
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#18, 09/03/2018 10:59:40



#19, 09/03/2018 10:59:48



#20, 09/03/2018 11:00:07



#21, 09/03/2018 11:00:13

