

QC

Certificate of Analysis

embryotools

Parc Científic de Barcelona // Avda. Doctor Marañón, 8
08028 Barcelona, Spain
NIF B66034612 // info@embryotools.com
Phone: + 34 934 497 198

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.020.752.2023

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: BT20 Neptune 20ul Barrier Tip, Racked, Pre-Sterile, S3, rack 10x96

REF: BT20

LOT NUMBER: 264754

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.

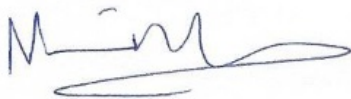
	Embryo development rates				Result
	n	Day 2 Two-cell stage n (%)	Day 5 Expanded blastocyst stage n (%)	Good Quality (morphology) Blastocysts n (%)	
Control	15	15 (100)	14 (93.33)	12 (85.71)	Passed*
BT20 Neptune 20ul Barrier Tip, Racked, Pre- Sterile, S3, rack 10x96 (Lot:264754)	21	21 (100)	19 (90.48)	17 (89.47)	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, 08/04/2023 10:39:47



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



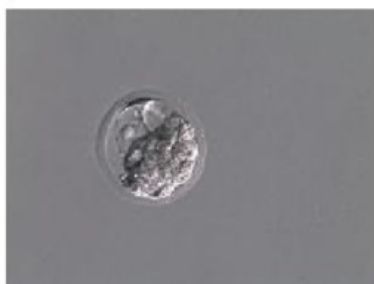
#3, 08/04/2023 10:39:54



#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



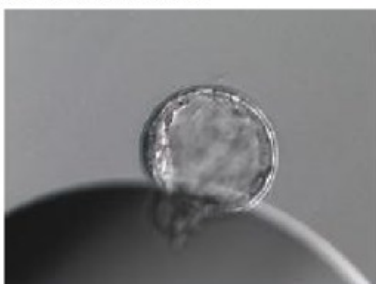
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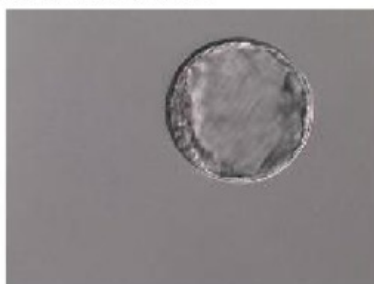
#12, 08/04/2023 10:41:23



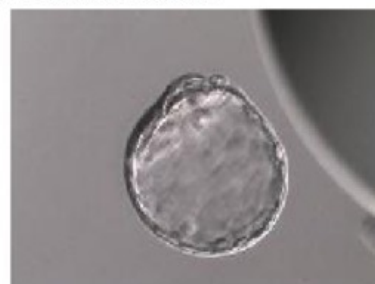
#13, 08/04/2023 10:41:25



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



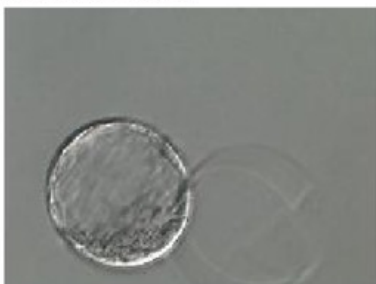
#15, 08/04/2023 10:41:38





BT20 Neptune 20ul Barrier Tip, Racked, Pre-Sterile, S3, rack 10x96
(REF: BT20 ; Lot: 264754)

#1, 08/04/2023 10:13:30



#2, 08/04/2023 10:13:33



#3, 08/04/2023 10:13:35



#4, 08/04/2023 10:13:42



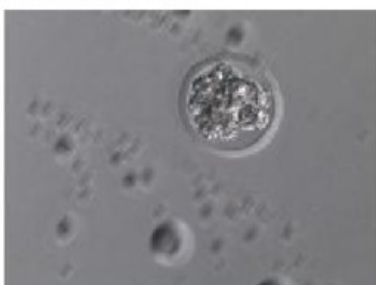
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#6, 08/04/2023 10:14:03



#7, 08/04/2023 10:14:05



#8, 08/04/2023 10:14:20



#9, 08/04/2023 10:14:23



#10, 08/04/2023 10:14:33



#11, 08/04/2023 10:14:39



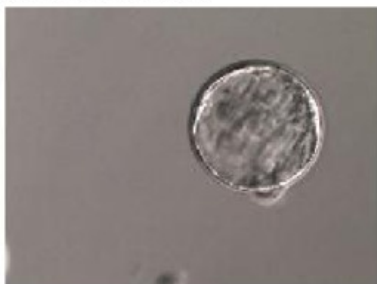
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BT20 Neptune 20ul Barrier Tip, Racked, Pre-Sterile, S3, rack 10x96
(REF: BT20 ; Lot: 264754)

#13, 08/04/2023 10:14:57



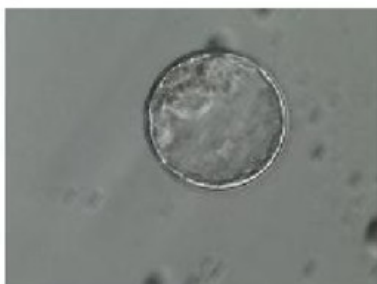
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#16, 08/04/2023 10:15:45



#17, 08/04/2023 10:15:48



#18, 08/04/2023 10:16:17



#19, 08/04/2023 10:16:18



#20, 08/04/2023 10:16:42



#21, 08/04/2023 10:16:48

