

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.020.753.2023

**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:** BT10XL Neptune 10ul extended length barrier tip, Racked, Pre-Sterile, S3. 10x96

**REF:** BT10XLS3

**LOT NUMBER:** 257236

**EXP. DATE:** 30/06/2027

**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.

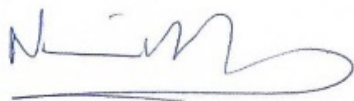
	Embryo development rates				Result
	n	Day 2 Two-cell stage n (%)	Day 5 Expanded blastocyst stage n (%)	Good Quality (morphology) Blastocysts n (%)	
Control	15	15 (100)	14 (93.33)	12 (85.71)	<b>Passed*</b>
BT10XL Neptune 10ul extended length barrier tip, Racked, Pre-Sterile, S3. 10x96 (Lot:257236)	21	20 (95.24)	20 (95.24)	20 (100)	<b>Passed*</b>

**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 %CO<sub>2</sub> and %O<sub>2</sub>. 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



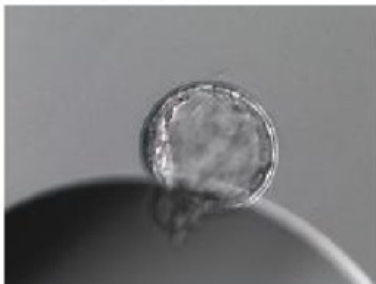
#11, 08/04/2023 10:41:10



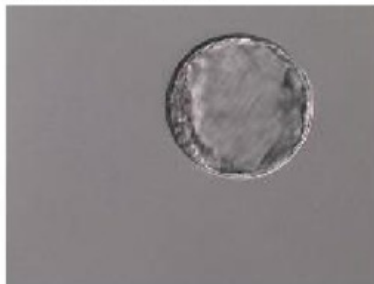
#12, 08/04/2023 10:41:23



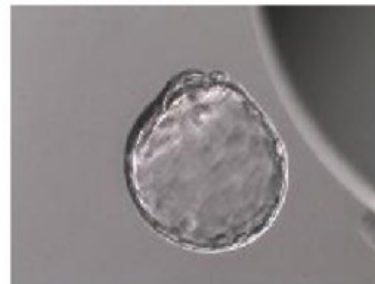
#13, 08/04/2023 10:41:25



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



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





BT10XL Neptune 10ul extended length barrier tip, Racked, Pre-Sterile, S3. 10x96  
(REF: BT10XLS3 ; Lot: 257236)

#1, 08/04/2023 10:20:04



#2, 08/04/2023 10:20:07



#3, 08/04/2023 10:20:27



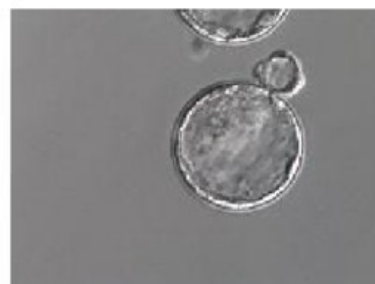
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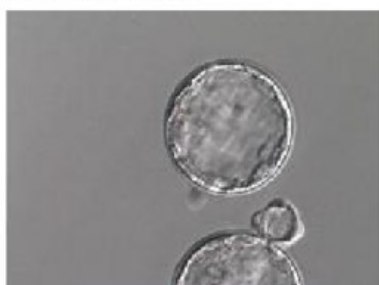
#5, 08/04/2023 10:20:31



#6, 08/04/2023 10:20:47



#7, 08/04/2023 10:20:49



#8, 08/04/2023 10:21:04



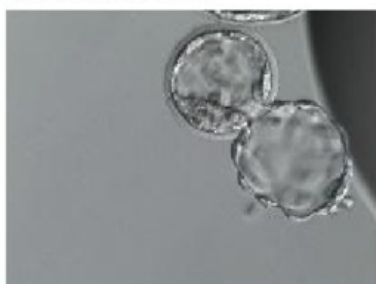
#9, 08/04/2023 10:21:05



#10, 08/04/2023 10:21:17



#11, 08/04/2023 10:21:18



#12, 08/04/2023 10:21:35





BT10XL Neptune 10ul extended length barrier tip, Racked, Pre-Sterile, S3. 10x96  
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#13, 08/04/2023 10:21:46



#14, 08/04/2023 10:22:02



#15, 08/04/2023 10:22:04



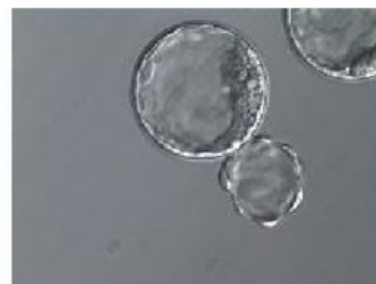
#16, 08/04/2023 10:22:17



#17, 08/04/2023 10:22:23



#18, 08/04/2023 10:22:34



#19, 08/04/2023 10:22:36



#20, 08/04/2023 10:22:49



#21, 08/04/2023 10:22:50

