

QC

## Certificate of Analysis

**REQUESTED BY:** Hunter Scientific Limited (Unit 1, Priors Hall Widdington, Saffron Walden CB11 3SB Essex United Kingdom of Great Britain and Northern Ireland)

**ASSAY REQUESTED BY CUSTOMER:** MEA - Standard Mouse embryo assay

**OPERATION PROCEDURE:** SOP-MEA-09

**TYPE OF ASSAY:** Indirect

**INTERNAL NUMBER:** MEA.020.429.2023

**DATE:** 27/02/2023 - 03/03/2023

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

**DESCRIPTION OF TEST PRODUCT:** Borosilicate Pasteur Pipette

**REF:** PPB

**LOT NUMBER:** 5056

**EXP. DATE:** 2027-01

**PROTOCOL:**

Samples were flushed and incubated at 37°C for 60 min with previously tested culture medium. Culture dishes were prepared with the extracted medium 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)	13 (86.67)	<b>Passed*</b>
Borosilicate Pasteur Pipette (Lot:5056)	21	21 (100)	19 (90.48)	17 (89.47)	<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

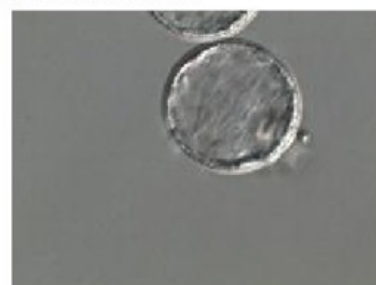
#1, 03/03/2023 8:50:02



#2, 03/03/2023 8:50:05



#3, 03/03/2023 8:50:12



#4, 03/03/2023 8:50:27



#5, 03/03/2023 8:50:31



#6, 03/03/2023 8:50:50



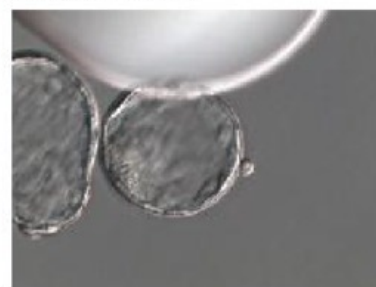
#7, 03/03/2023 8:51:11



#8, 03/03/2023 8:51:52



#9, 03/03/2023 8:51:56



#10, 03/03/2023 8:52:22



#11, 03/03/2023 8:52:27



#12, 03/03/2023 8:52:58



#13, 03/03/2023 8:53:05



#14, 03/03/2023 8:53:33



#15, 03/03/2023 8:53:53





Borosilicate Pasteur Pipette  
(REF: PPB ; Lot: 5056)

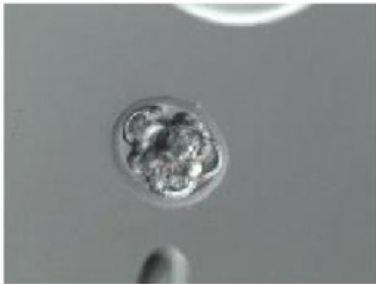
#1, 03/03/2023 8:32:01



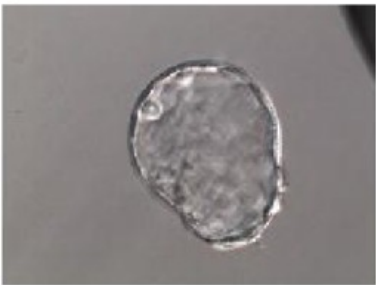
#2, 03/03/2023 8:32:04



#3, 03/03/2023 8:32:07



#4, 03/03/2023 8:32:32



#5, 03/03/2023 8:32:42



#6, 03/03/2023 8:33:05



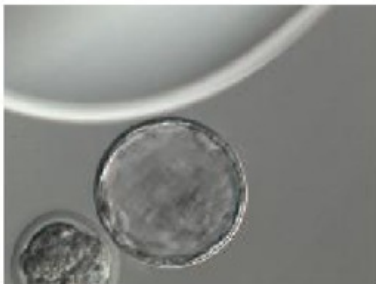
#7, 03/03/2023 8:33:14



#8, 03/03/2023 8:33:36



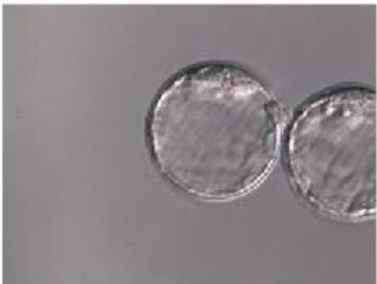
#9, 03/03/2023 8:33:40



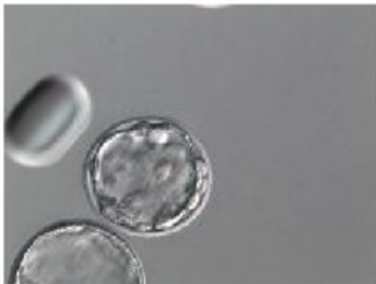
#10, 03/03/2023 8:34:15



#11, 03/03/2023 8:34:18



#12, 03/03/2023 8:34:50



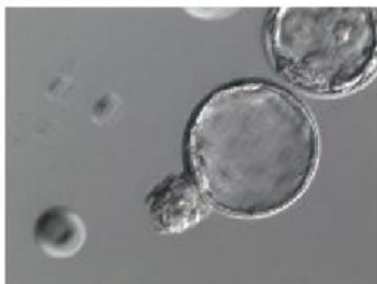


Borosilicate Pasteur Pipette  
(REF: PPB ; Lot: 5056)

embryotools

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

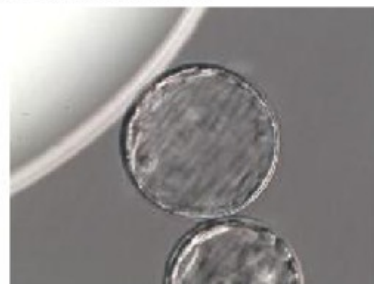
#13, 03/03/2023 8:35:02



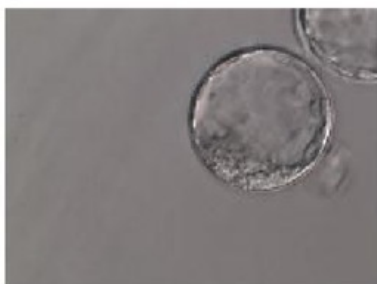
#14, 03/03/2023 8:35:42



#15, 03/03/2023 8:35:55



#16, 03/03/2023 8:36:19



#17, 03/03/2023 8:36:21



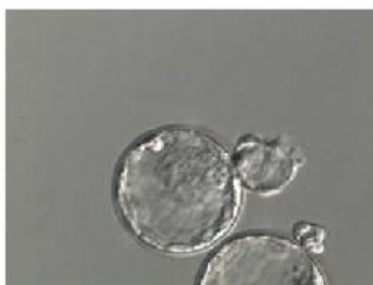
#18, 03/03/2023 8:36:39



#19, 03/03/2023 8:36:42



#20, 03/03/2023 8:37:05



#21, 03/03/2023 8:37:06

