

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.018.826.2022

**DATE:** 03/05/2022 - 07/05/2022

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

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

**REF:** PPS

**LOT NUMBER:** 5045

**EXP. DATE:** 2026-03

**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.

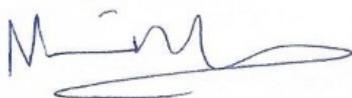
	Embryo development rates				Result
	n	Day 2 Two-cell stage n (%)	Day 5 Expanded blastocyst stage n (%)	Good Quality (morphology) Blastocysts n (%)	
Control	15	15 (100)	15 (100)	14 (93.33)	<b>Passed*</b>
Soda Pasteur Pipette (Lot:5045)	21	21 (100)	20 (95.24)	18 (90)	<b>Passed*</b>

**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.

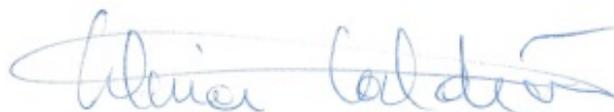
These results are representative of the test samples submitted by the customer.

Nuno Costa-Borges, PhD



Scientific Director

Gloria Calderón, PhD

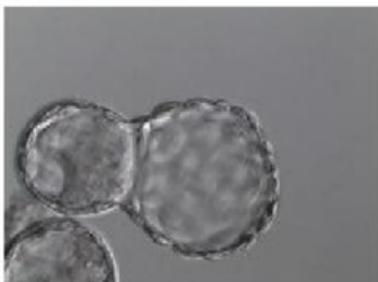


Quality Assurance

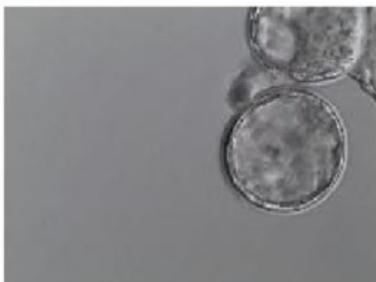


Annex I  
Control

#1, 07/05/2022 9:57:53



#2, 07/05/2022 9:58:03



#3, 07/05/2022 9:58:18



#4, 07/05/2022 9:58:42



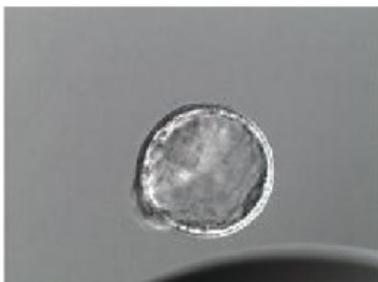
#5, 07/05/2022 9:59:06



#6, 07/05/2022 9:59:49



#7, 07/05/2022 10:00:13



#8, 07/05/2022 10:00:47



#9, 07/05/2022 10:00:51



#10, 07/05/2022 10:01:04



#11, 07/05/2022 10:01:14



#12, 07/05/2022 10:02:01



#13, 07/05/2022 10:02:05



#14, 07/05/2022 10:02:18



#15, 07/05/2022 10:02:25





Soda Pasteur Pipette  
(REF: PPS ; Lot: 5045)

#1, 07/05/2022 9:50:28



#2, 07/05/2022 9:50:30



#3, 07/05/2022 9:50:31



#4, 07/05/2022 9:50:54



#5, 07/05/2022 9:50:55



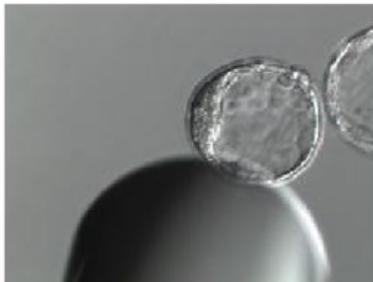
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#7, 07/05/2022 9:50:59



#8, 07/05/2022 9:51:18



#9, 07/05/2022 9:51:19



#10, 07/05/2022 9:51:30



#11, 07/05/2022 9:51:31



#12, 07/05/2022 9:51:52





Soda Pasteur Pipette  
(REF: PPS ; Lot: 5045)

#13, 07/05/2022 9:51:53



#14, 07/05/2022 9:52:07



#15, 07/05/2022 9:52:08



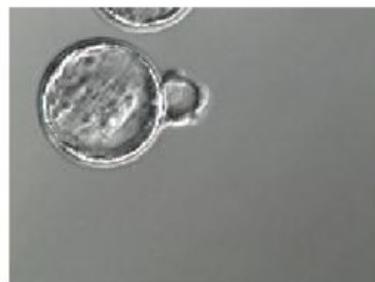
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#18, 07/05/2022 9:52:38



#19, 07/05/2022 9:52:40



#20, 07/05/2022 9:52:54



#21, 07/05/2022 9:52:55

