

# 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.016.1251.2021  
**DATE:** 02/07/2021 - 06/07/2021

**DESCRIPTION OF TEST PRODUCT:** Borosilicate Pasteur Pipette  
**REF:** PPB  
**LOT NUMBER:** 5036  
**EXP. DATE:** 2025-06

### 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 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:

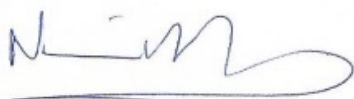
Embryo developmental rates of control and tested group.

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)	13 (86.67)	<b>Passed*</b>
Borosilicate Pasteur Pipette (Lot:5036)	21	21 (100)	20 (95.24)	17 (85)	<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.

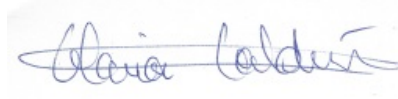
\* More than 80% of the test group embryos developed to the expanded blastocyst stage within 5 days, fulfilling acceptance criteria for this test.

Nuno Costa-Borges, PhD



Scientific Director

Gloria Calderón, PhD



Quality Assurance

# Annex I Control

#1, 06/07/2021 8:25:59



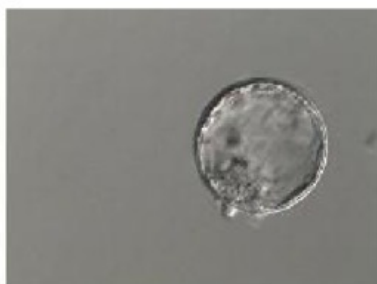
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#3, 06/07/2021 8:26:07



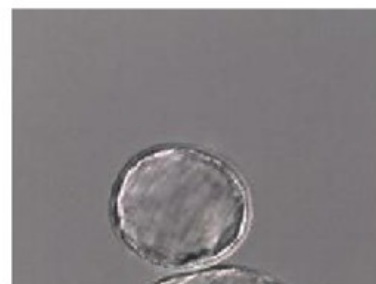
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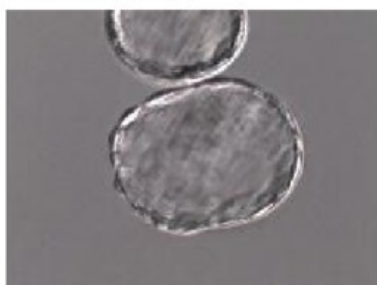
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#6, 06/07/2021 8:27:06



#7, 06/07/2021 8:27:09



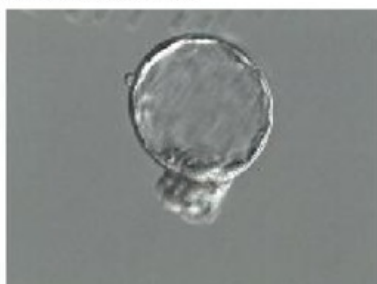
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#9, 06/07/2021 8:27:34



#10, 06/07/2021 8:27:52



#11, 06/07/2021 8:27:54



#12, 06/07/2021 8:28:10



#13, 06/07/2021 8:28:12



#14, 06/07/2021 8:28:31



#15, 06/07/2021 8:28:33

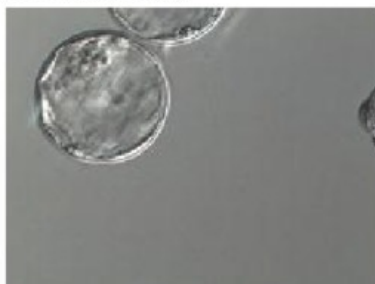


Borosilicate Pasteur Pipette  
(REF: PPB ; Lot: 5036)

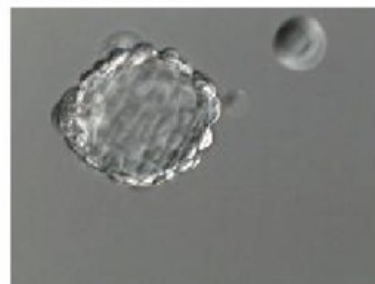
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#2, 06/07/2021 8:52:41



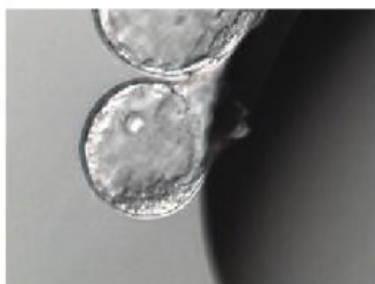
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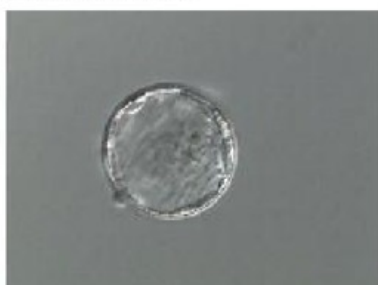
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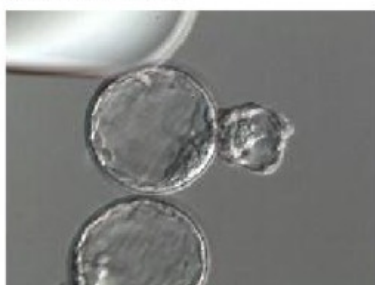
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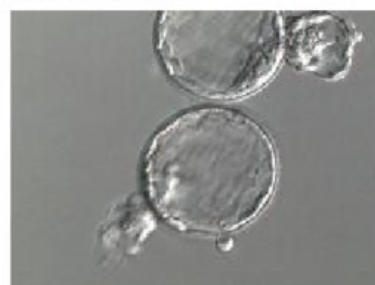
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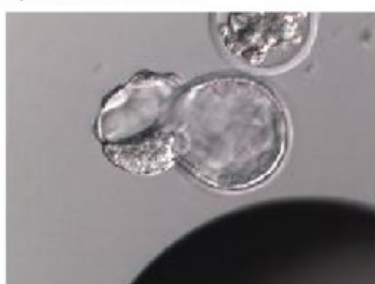
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#10, 06/07/2021 8:56:00



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Borosilicate Pasteur Pipette  
(REF: PPB ; Lot: 5036)

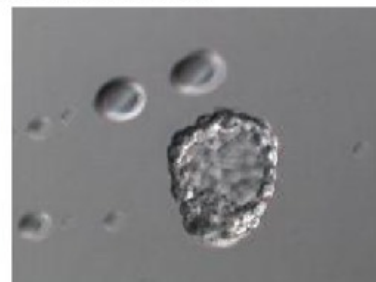
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#15, 06/07/2021 8:56:42



#16, 06/07/2021 8:57:06



#17, 06/07/2021 8:57:08



#18, 06/07/2021 8:57:27



#19, 06/07/2021 8:57:30



#20, 06/07/2021 8:57:55



#21, 06/07/2021 8:57:58

