

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.018.1447.2022

DATE: 20/07/2022 - 24/07/2022

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: 5048

EXP. DATE: 2026-06

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 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.

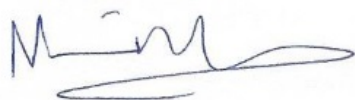
Embryo development rates					
	n	Day 2 Two-cell stage n (%)	Day 5 Expanded blastocyst stage n (%)	Good Quality (morphology) Blastocysts n (%)	Result
Control	15	15 (100)	15 (100)	15 (100)	Passed*
Borosilicate Pasteur Pipette (Lot:5048)	21	21 (100)	19 (90.48)	19 (100)	Passed*

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 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

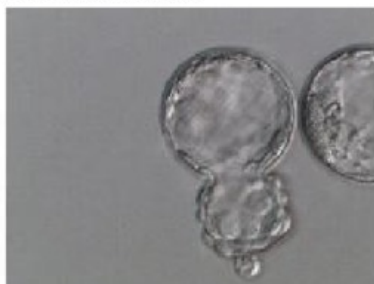


Annex I
Control

#1, 24/07/2022 10:21:16



#2, 24/07/2022 10:21:19



#3, 24/07/2022 10:21:21



#4, 24/07/2022 10:21:39



#5, 24/07/2022 10:21:40



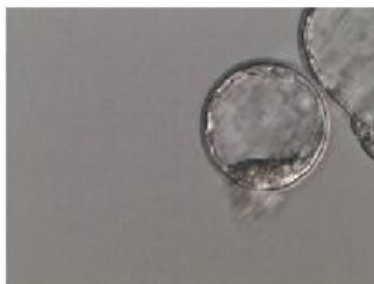
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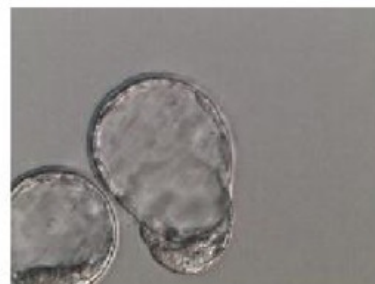
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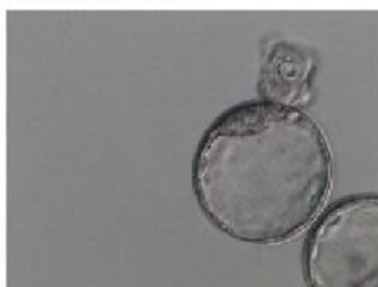
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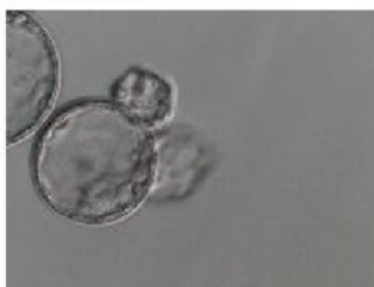
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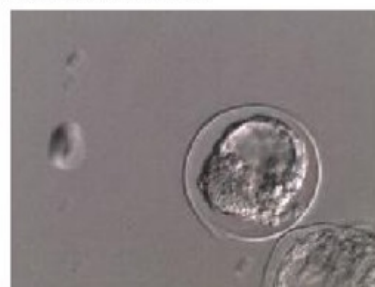
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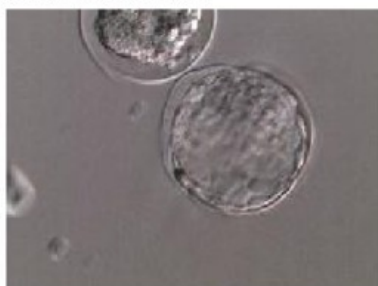
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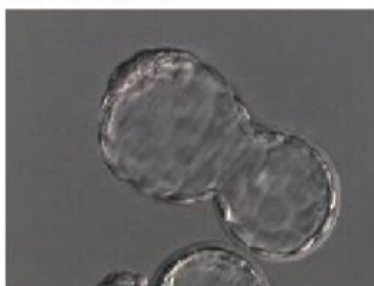
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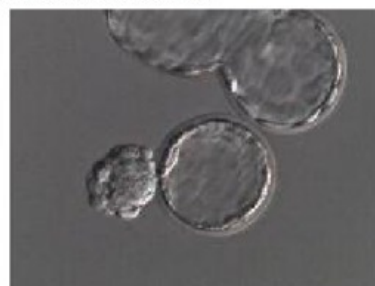
#13, 24/07/2022 10:22:59



#14, 24/07/2022 10:23:20



#15, 24/07/2022 10:23:21





Borosilicate Pasteur Pipette
(REF: PPB ; Lot: 5048)

embryotools

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

#1, 24/07/2022 10:37:19



#2, 24/07/2022 10:37:24



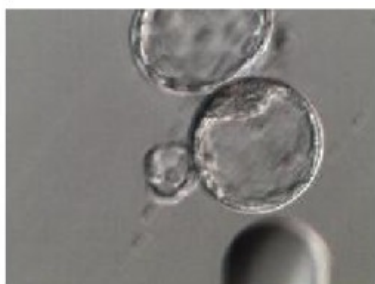
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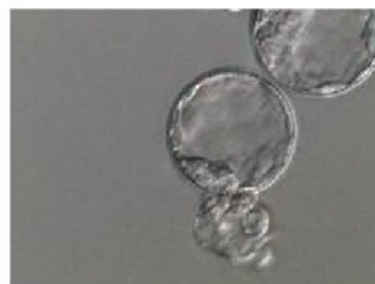
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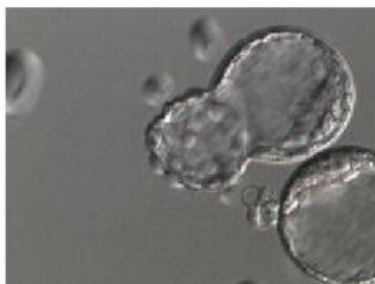
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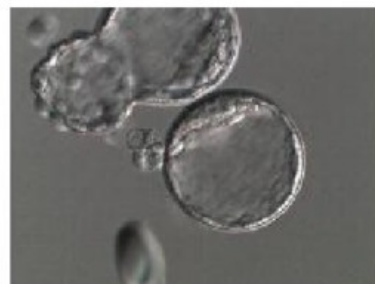
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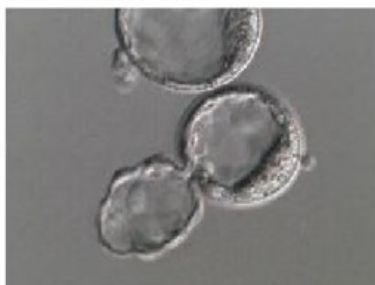
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#10, 24/07/2022 10:38:38



#11, 24/07/2022 10:38:39



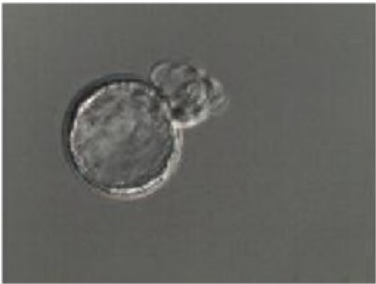
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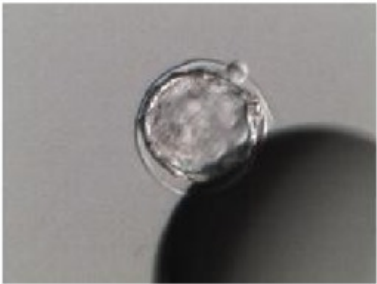


Borosilicate Pasteur Pipette
(REF: PPB ; Lot: 5048)

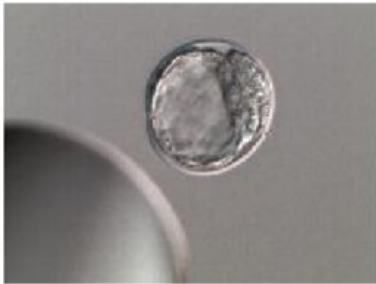
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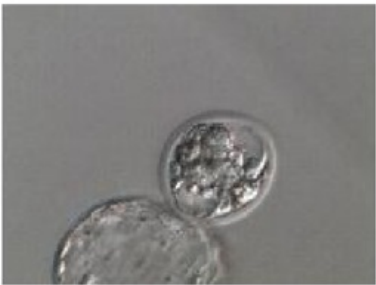
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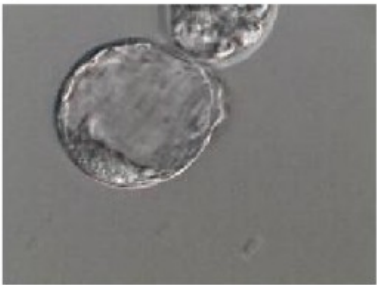
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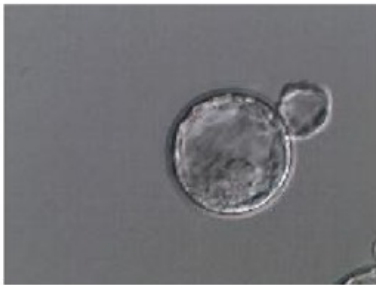
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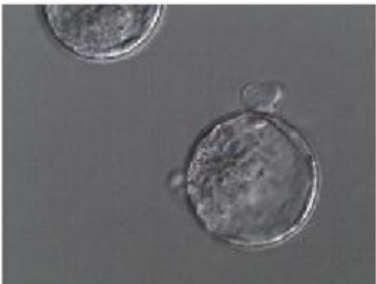
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#18, 24/07/2022 10:39:39



#19, 24/07/2022 10:39:40



#20, 24/07/2022 10:39:55



#21, 24/07/2022 10:39:56

