

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.018.825.2022

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: Borosilicate Pasteur Pipette

REF: PPB

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)	Passed*
Borosilicate Pasteur Pipette (Lot:5045)	21	21 (100)	19 (90.48)	14 (73.68)	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.

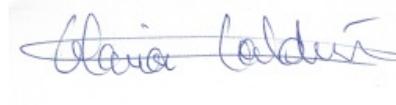
These results are representative of the test samples submitted by the customer.

Nuno Costa-Borges, PhD



Scientific Director

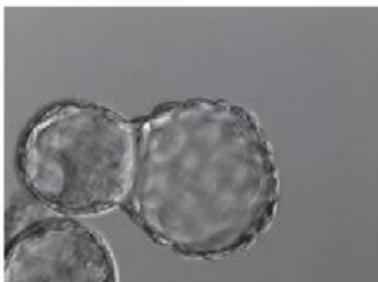
Gloria Calderón, PhD



Quality Assurance

Annex I
Control

#1, 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



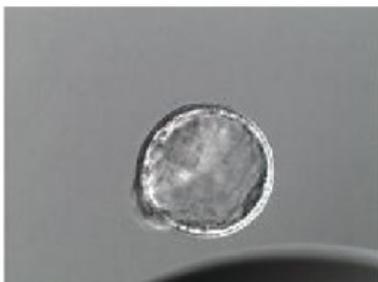
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#7, 07/05/2022 10:00:13



#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



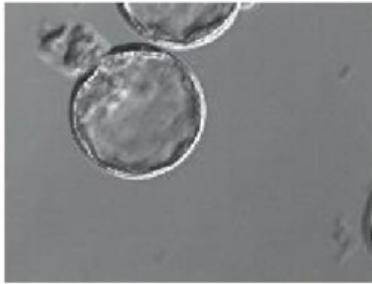


Borosilicate Pasteur Pipette
(REF: PPB ; Lot: 5045)

#1, 07/05/2022 9:44:46



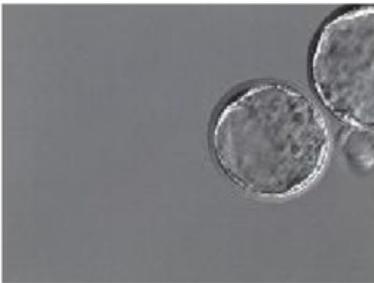
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#3, 07/05/2022 9:44:51



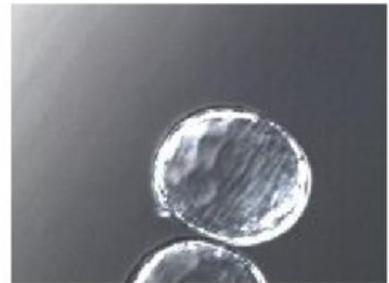
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#7, 07/05/2022 9:45:40



#8, 07/05/2022 9:46:03



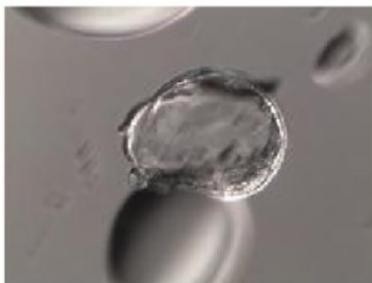
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#12, 07/05/2022 9:46:52





Borosilicate Pasteur Pipette
(REF: PPB ; Lot: 5045)

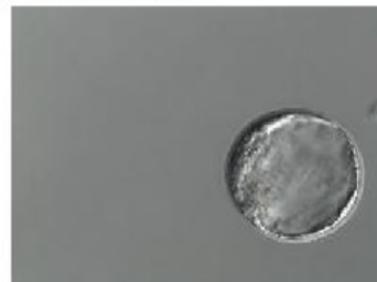
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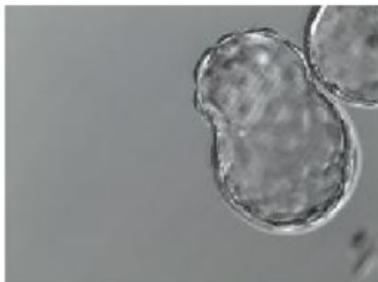
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#18, 07/05/2022 9:47:56



#19, 07/05/2022 9:47:58



#20, 07/05/2022 9:48:14



#21, 07/05/2022 9:48:16

