

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.016.1252.2021
DATE: 02/07/2021 - 06/07/2021

DESCRIPTION OF TEST PRODUCT: Soda Pasteur Pipette
REF: PPS
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)	Passed*
Soda Pasteur Pipette (Lot:5036)	21	21 (100)	21 (100)	18 (85.71)	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.

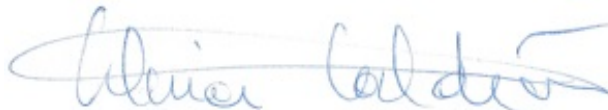
* More than 80% of the test group embryos developed to the expanded blastocyst stage within 5 days, fulfilling acceptance criteria for this test.

Nuno Costa-Borges, PhD



Scientific Director

Gloria Calderón, PhD



Quality Assurance

Annex I Control

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



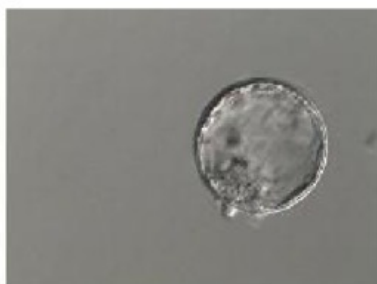
#2, 06/07/2021 8:26:03



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



#4, 06/07/2021 8:26:39



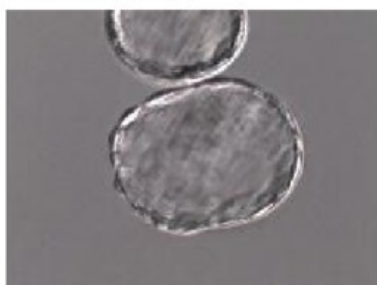
#5, 06/07/2021 8:26:42



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



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



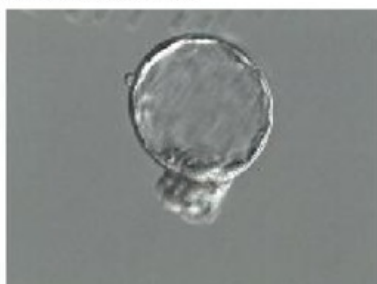
#8, 06/07/2021 8:27:33



#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

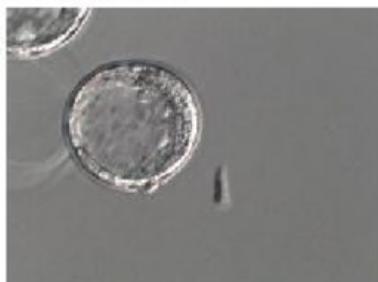


#15, 06/07/2021 8:28:33

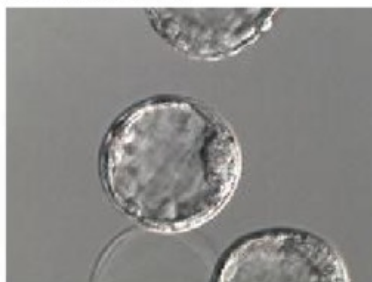


Soda Pasteur Pipette
(REF: PPS ; Lot: 5036)

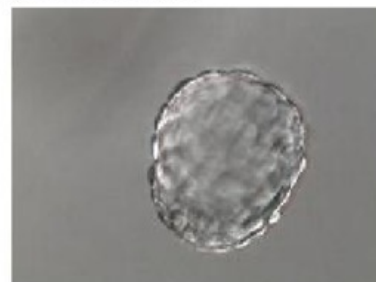
#1, 06/07/2021 9:03:55



#2, 06/07/2021 9:03:59



#3, 06/07/2021 9:04:00



#4, 06/07/2021 9:04:19



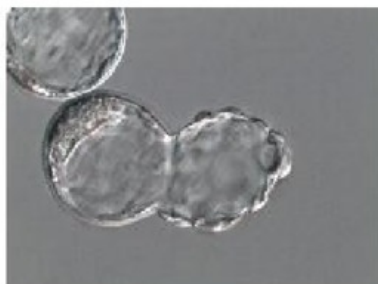
#5, 06/07/2021 9:04:23



#6, 06/07/2021 9:04:42



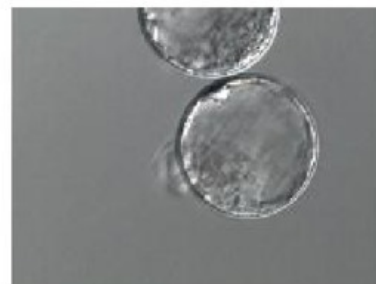
#7, 06/07/2021 9:04:44



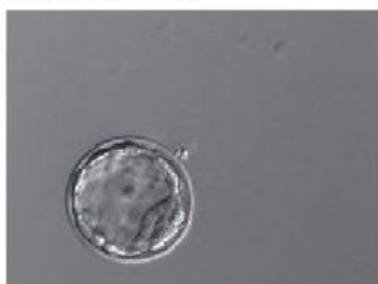
#8, 06/07/2021 9:05:03



#9, 06/07/2021 9:05:05



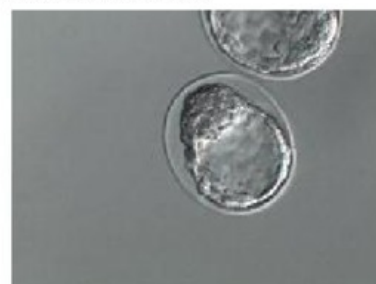
#10, 06/07/2021 9:05:21



#11, 06/07/2021 9:05:24



#12, 06/07/2021 9:05:44



Soda Pasteur Pipette
(REF: PPS ; Lot: 5036)

#13, 06/07/2021 9:05:47



#14, 06/07/2021 9:05:58



#15, 06/07/2021 9:06:00



#16, 06/07/2021 9:06:16



#17, 06/07/2021 9:06:19



#18, 06/07/2021 9:06:37



#19, 06/07/2021 9:06:38



#20, 06/07/2021 9:06:58



#21, 06/07/2021 9:07:00

