QC

Certificate of Analysis

embryotools
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REQUESTED BY: Matcher Technologies Ltd (UNIT 1C- CANALSIDE BUSINESS PARK-TATTENHALL LANE, TATTENHALL CH3 9BD CHESTER United Kingdom of Great Britain and Northern Ireland)

ASSAY REQUESTED BY CUSTOMER: MEA - Standard Mouse embryo assay

OPERATION PROCEDURE: SOP-MEA-00/WI-MEA-05
TYPE OF ASSAY: Indirect
INTERNAL NUMBER: MEA.022.442.2024
DATE: 26/02/2024 - 01/03/2024

Product information provided by the customer (Embryotools cannot be held responsible for the veracity of this information)
DESCRIPTION OF TEST PRODUCT: LBL019 Cryo Label Sheet
REF: LBL019
LOT NUMBER: LBL0192402A
EXP. DATE: N/A

PROTOCOL:

A culture dish was prepared with previously tested medium and equilibrated overnight prior to use. Provided labels were stuck on the culture dish, and on 2 "carrier" dishes placed within the same incubator chamber. 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 drops of 50ul, in groups of 3, up to Day 5. Control group was prepared following the same set-up and conditions, and embryos cultured in parallel in a separated incubator, without presence of the 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)	14 (93.33)	**Passed***
LBL019 Cryo Label Sheet (Lot:LBL0192402A)	21	21 (100)	19 (90.48)	10 (52.63)	**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

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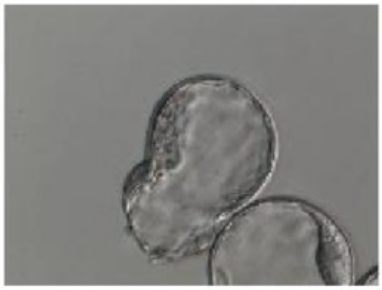
Annex I
Control

#1, 01/03/2024 8:17:21



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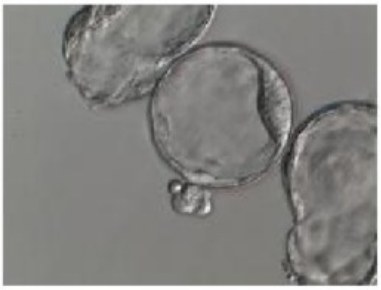

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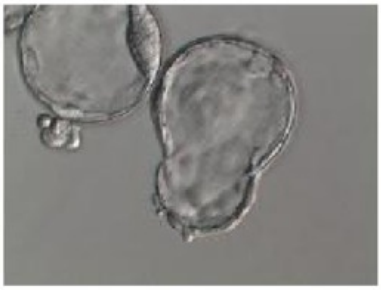

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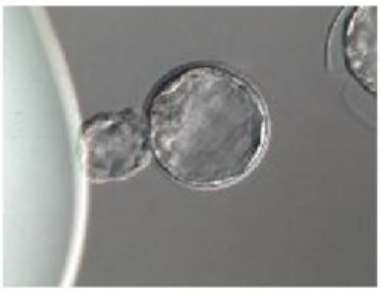
#5, 01/03/2024 8:18:06



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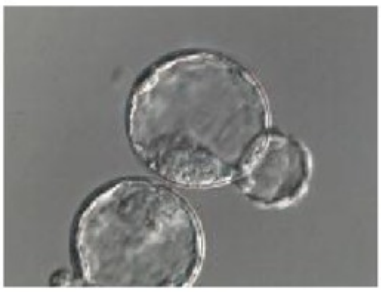

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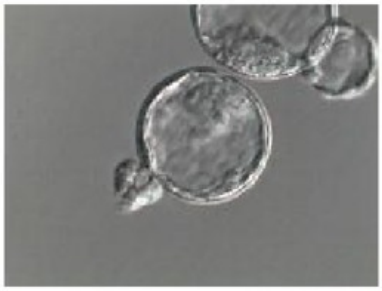

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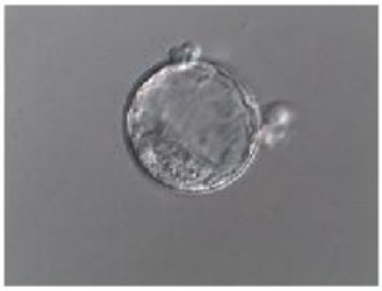
#9, 01/03/2024 8:19:06

#10, 01/03/2024 8:19:33



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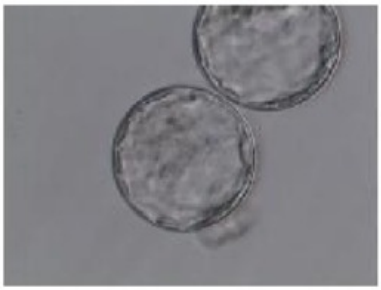

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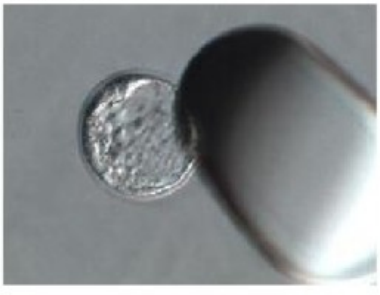
#14, 01/03/2024 8:20:51



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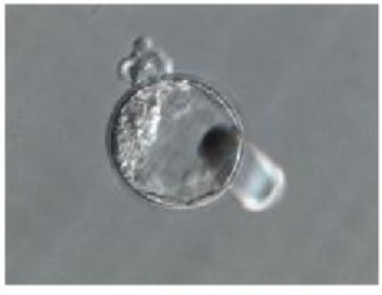

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LBL019 Cryo Label Sheet
(REF: LBL019 ; Lot: LBL0192402A)

#1, 01/03/2024 8:44:06

#2, 01/03/2024 8:44:13

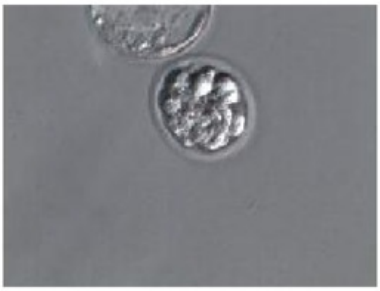
#3, 01/03/2024 8:44:24

#4, 01/03/2024 8:44:47

#5, 01/03/2024 8:44:51

#6, 01/03/2024 8:45:23

#7, 01/03/2024 8:45:45



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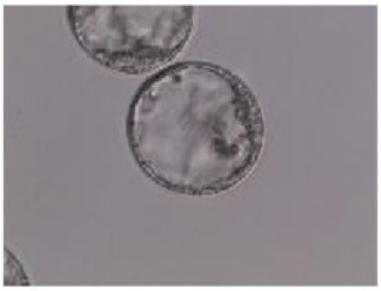

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LBL019 Cryo Label Sheet
(REF: LBL019 ; Lot: LBL0192402A)

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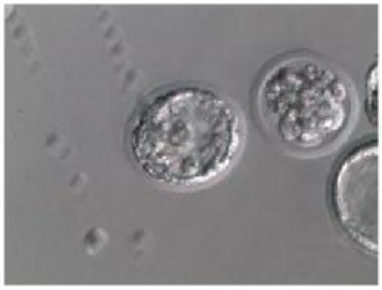

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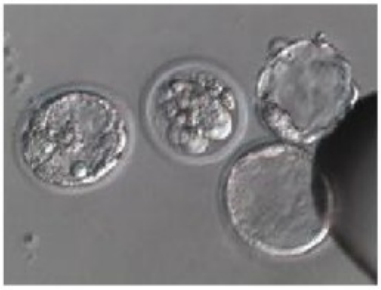

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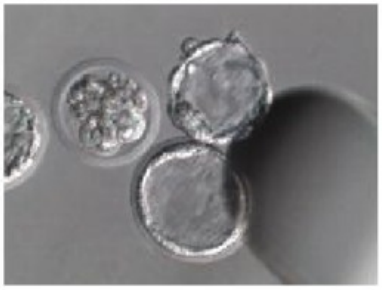

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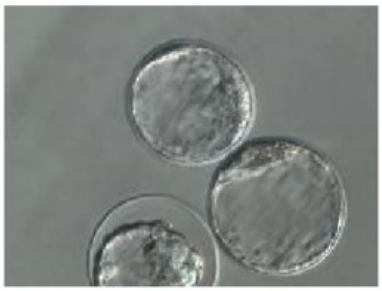

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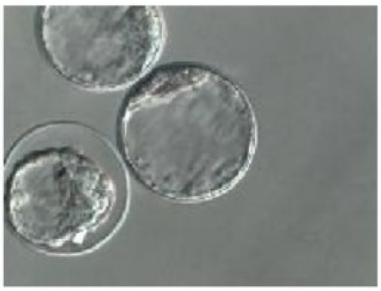

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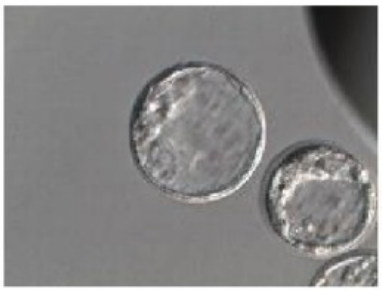

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