

QC

## Certificate of Analysis

**REQUESTED BY:** LIFE M s.r.o. (Voderadska 2552716, Ricany u Prahy 251 01 Czechia)**ASSAY REQUESTED BY CUSTOMER:** MEA - Standard Mouse embryo assay**OPERATION PROCEDURE:** SOP-MEA-00/WI-MEA-05**TYPE OF ASSAY:** Indirect**INTERNAL NUMBER:** MEA.019.405.2022**DATE:** 27/10/2022 - 31/10/2022

Product information provided by the customer (Embryotools cannot be held responsible for the veracity of this information)

**DESCRIPTION OF TEST PRODUCT:** epDualfilter TIPS 0,1-10 ul S MEA Test, 0030078500IVF**REF:** 0030078500IVF**LOT NUMBER:** L205033M**EXP. DATE:** 28-7-27**PROTOCOL:**

Samples were flushed 10 times 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.

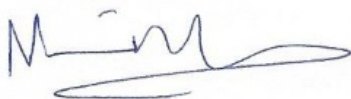
	Embryo development rates				Result
	n	Day 2 Two-cell stage n (%)	Day 5 Expanded blastocyst stage n (%)	Good Quality (morphology) Blastocysts n (%)	
Control	15	15 (100)	15 (100)	14 (93.33)	<b>Passed*</b>
epDualfilter TIPS 0,1-10 ul S MEA Test, 0030078500IVF (Lot:L205033M)	21	21 (100)	21 (100)	21 (100)	<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 trophoctoderm (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

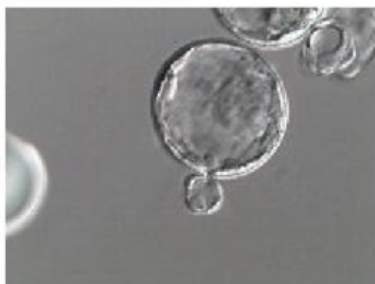


Annex I  
Control

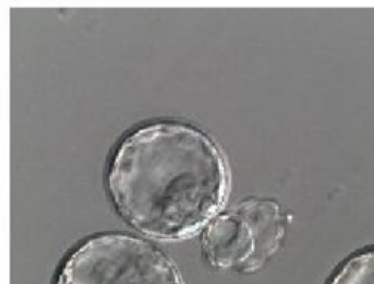
#1, 31/10/2022 9:08:05



#2, 31/10/2022 9:08:09



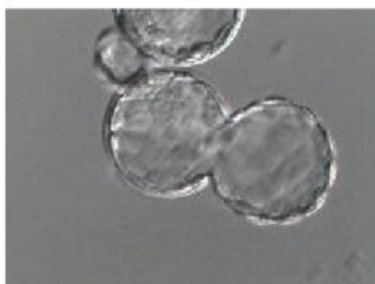
#3, 31/10/2022 9:08:12



#4, 31/10/2022 9:08:18



#5, 31/10/2022 9:08:21



#6, 31/10/2022 9:08:35



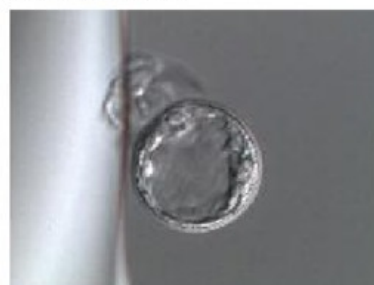
#7, 31/10/2022 9:08:42



#8, 31/10/2022 9:08:53



#9, 31/10/2022 9:08:57



#10, 31/10/2022 9:09:04



#11, 31/10/2022 9:09:07



#12, 31/10/2022 9:09:14



#13, 31/10/2022 9:09:21



#14, 31/10/2022 9:09:28



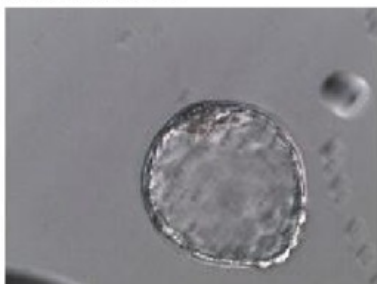
#15, 31/10/2022 9:09:32





epDualfilter TIPS 0,1-10 ul S MEA Test, 0030078500IVF  
(REF: 0030078500IVF ; Lot: L205033M)

#1, 31/10/2022 8:56:53



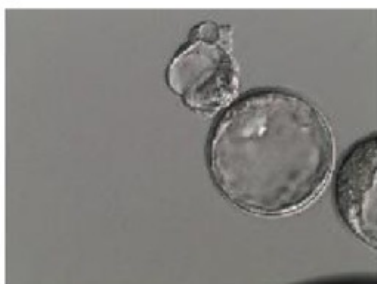
#2, 31/10/2022 8:56:58



#3, 31/10/2022 8:57:01



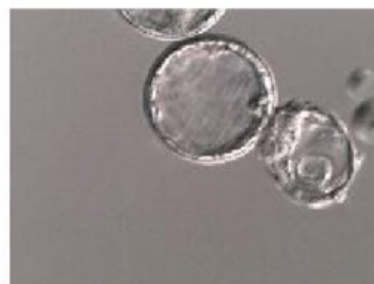
#4, 31/10/2022 8:57:10



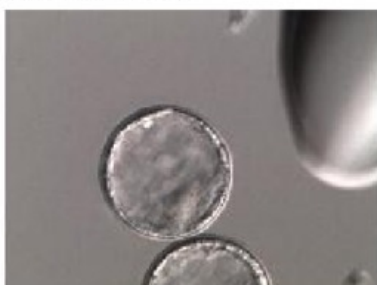
#5, 31/10/2022 8:57:13



#6, 31/10/2022 8:57:20



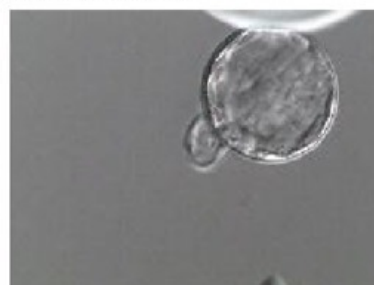
#7, 31/10/2022 8:57:23



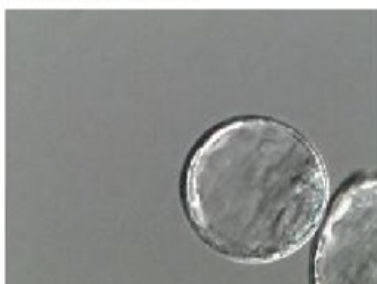
#8, 31/10/2022 8:57:46



#9, 31/10/2022 8:57:50



#10, 31/10/2022 8:57:58



#11, 31/10/2022 8:58:02



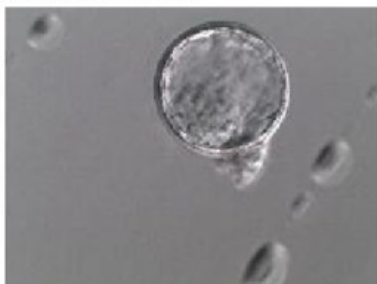
#12, 31/10/2022 8:58:25



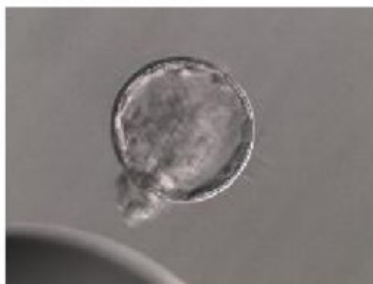


epDualfilter TIPS 0,1-10 ul S MEA Test, 0030078500IVF  
(REF: 0030078500IVF ; Lot: L205033M)

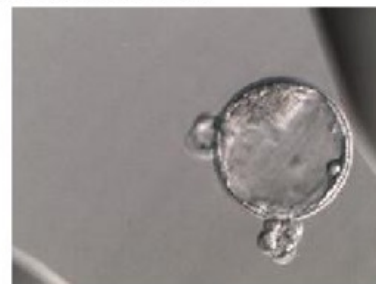
#13, 31/10/2022 8:58:29



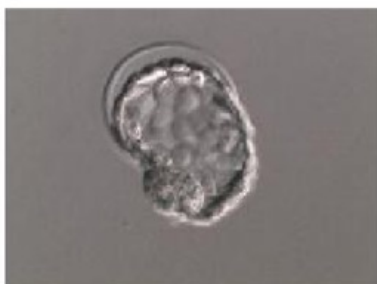
#14, 31/10/2022 8:58:37



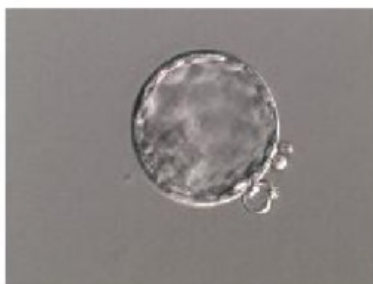
#15, 31/10/2022 8:58:41



#16, 31/10/2022 8:58:55



#17, 31/10/2022 8:58:59



#18, 31/10/2022 8:59:24



#19, 31/10/2022 8:59:28



#20, 31/10/2022 8:59:35



#21, 31/10/2022 8:59:38

