CERTIFICATE OF ANALYSIS

Matcher Technologies Limited
1B Canalside Business Park
Tattenhall Chester
Cheshire, CH3 9BD
United Kingdom

EMBRYOTECH LABORATORIES
140 Hale Street
Haverhill, MA 01830
qc@embryotech.com

ELI Accession Number: IIL-9319-0822 **Date of completion:** 08-20-2022

Lot number: 0192207B **Reference number:** LBL019

Description of test article(s): Matcher for Cryo Use Label Sheet

Assay system requested by customer: The test article (2) is placed on a culture plate. One-cell mouse embryos are placed in the culture plate and cultured for 96-hours.

Control assay method and results: 21 one-cell ($B_6C_3F_1$ X $B_6D_2F_1$) embryos were cultured in triplicate micro drops of culture medium overlaid with oil in control incubator (ELI-350):

21 / 21 (100 %)	1-cell to 2-cell within 24 hr
21 / 21 (100 %)	1-cell to expanded blastocyst within 96 hr

For a valid assay, Embryotech™ requires at least 80% of one-cell control embryos to develop to expanded blastocyst within 96-hours.

Test assay method and results: 21 one-cell ($B_6C_3F_1$ X $B_6D_2F_1$) embryos were cultured in triplicate micro drops of culture medium overlaid with oil with the test articles adhered to the outside of the culture plate in incubator ELI-366.

21 / 21 (100 %)	1-cell to 2-cell within 24 hr
21 / 21 (100 %)	1-cell to expanded blastocyst within 96 hr

Pass/Fail = **Pass**

Summary of observations: All test and control embryos were selected randomly from a common pool of freshly collected embryos. 100 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 100 percent of the test embryos cultured in the culture plate with the test articles adhered developed to the expanded blastocyst stage within 96-hours

CMFutsi
Signature
Study Director

08-22-2022
Date

Signature
Quality Reviewer

08.22.2022
Date

The results relate only to the item(s) tested.

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ELI Accession Number: IIL-9319-0822 **Date of completion:** 08-20-2022

Lot number: 0202207A **Reference number:** LBL020

Description of test article(s): Matcher Not for Cryo Use Labels

Assay system requested by customer: The test article (2) is placed on a culture plate. One-cell mouse embryos are placed in the culture plate and cultured for 96-hours.

Control assay method and results: 21 one-cell ($B_6C_3F_1$ X $B_6D_2F_1$) embryos were cultured in triplicate micro drops of culture medium overlaid with oil in control incubator ELI-350:

21 / 21 (100 %)	1-cell to 2-cell within 24 hr
21 / 21 (100 %)	1-cell to expanded blastocyst within 96 hr

For a valid assay, Embryotech™ requires at least 80% of one-cell control embryos to develop to expanded blastocyst within 96-hours.

Test assay method and results: 21 one-cell ($B_6C_3F_1$ X $B_6D_2F_1$) embryos were cultured in triplicate micro drops of culture medium overlaid with oil with the test articles adhered to the outside of the culture plate in incubator ELI-182:

21 / 21 (100 %)	1-cell to 2-cell within 24 hr
21 / 21 (100 %)	1-cell to expanded blastocyst within 96 hr

Pass/Fail = **Pass**

Summary of observations: All test and control embryos were selected randomly from a common pool of freshly collected embryos. 100 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 100 percent of the test embryos cultured in the culture plate with the test articles adhered developed to the expanded blastocyst stage within 96-hours

Signature
Study Director

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Date

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ELI Accession Number: IIL-9319-0822 **Date of completion:** 08-20-2022

Lot number: 0212207B **Reference number:** LBL021

Description of test article(s): Matcher for Cryo Use Label Sheet

Assay system requested by customer: The test article (2) is placed on a culture plate. One-cell mouse embryos are placed in the culture plate and cultured for 96-hours.

Control assay method and results: 21 one-cell ($B_6C_3F_1$ X $B_6D_2F_1$) embryos were cultured in triplicate micro drops of culture medium overlaid with oil in control incubator (ELI-350):

21 / 21 (100 %)	1-cell to 2-cell within 24 hr
21 / 21 (100 %)	1-cell to expanded blastocyst within 96 hr

For a valid assay, Embryotech™ requires at least 80% of one-cell control embryos to develop to expanded blastocyst within 96-hours.

Test assay method and results: 21 one-cell ($B_6C_3F_1$ X $B_6D_2F_1$) embryos were cultured in triplicate micro drops of culture medium overlaid with oil with the test articles adhered to the outside of the culture plate in incubator ELI-248:

19 / 21 (90 %)	1-cell to 2-cell within 24 hr
19 / 21 (90 %)	1-cell to expanded blastocyst within 96 hr

Pass/Fail = **Pass**

Summary of observations: All test and control embryos were selected randomly from a common pool of freshly collected embryos. 100 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 90 percent of the test embryos cultured in the culture plate with the test articles adhered developed to the expanded blastocyst stage within 96-hours

Signature
Study Director

08-22-2022
Date

Signature
Quality Reviewer

08.22.2022
Date

The results relate only to the item(s) tested.