CERTIFICATE OF ANALYSIS

World Precision Instruments, Inc.
175 Sarasota Center Boulevard
Sarasota, FL 34240

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

ELI Accession Number: WPI-3038-1123 **Date of completion:** 11-6-2023

Lot number: 10092023 **Reference number:** FD35COL-100

Description of test article: Collagen Coated Fluorodish

Assay system requested by customer: One-cell mouse embryos were cultured in the test article using three - 50µl drops of culture medium and overlaid with oil for 96-hours.

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

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 stage control embryos to develop to expanded blastocyst within 96-hours.

Test assay method and results: 21 one-cell ($B_6D_2F_1$ X $B_6C_3F_1$) embryos were cultured in the test article using culture medium and overlaid with oil:

21 / 21 (100 %)	1-cell to 2-cell within 24 hr
20 / 21 (95 %)	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 and were cultured in the same incubator at 37°C and 5.0% CO_2. 100 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 95 percent of the test embryos cultured in the Petri dish with the test article applied to the bottom developed to the expanded blastocyst stage within 96-hours.

Signature
Study Director

11/7/23
Date

Signature
Quality Reviewer

11/6/2023
Date

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ELI Accession Number: WPI-3038-1123 **Date of completion:** 11-6-2023

Lot number: 10092023 **Reference number:** FD35PLL-100

Description of test article: Poly- L- Lysine Coated Fluorodish

Assay system requested by customer: One-cell mouse embryos were cultured in the test article using three - 50µl drops of culture medium and overlaid with oil for 96-hours.

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

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 stage control embryos to develop to expanded blastocyst within 96-hours.

Test assay method and results: 21 one-cell ($B_6D_2F_1$ X $B_6C_3F_1$) embryos were cultured in the test article using culture medium and overlaid with oil:

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 and were cultured in the same incubator at 37°C and 5.0% CO_2. 100 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 100 percent of the test embryos cultured in the Petri dish with the test article applied to the bottom developed to the expanded blastocyst stage within 96-hours.

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