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-5970-0621 **Date of completion:** 06-15-2021

Lot number: 14012021 **Reference number:** FD35-100

Description of test article: FluoroDish™

Assay system requested by customer: One cell mouse embryos were cultured in the test article in a 100µl drop 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
20 / 21 (95 %)	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 in culture medium and overlaid with oil:

21 / 21 (100 %)	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 and were cultured in the same incubator at 37°C and 5.0% CO_2. 95 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 90 percent of the test embryos cultured in the test article developed to the expanded blastocyst stage within 96-hours.

Signature
Study Director

06-16-2021
Date

Signature
Quality Reviewer

06-16-2021
Date

Amended: 06-16-2021

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ELI Accession Number: WPI-5995-0621 **Date of completion:** 06-20-2021

Lot number: 22062018 **Reference number:** FD35PDL-100

Description of test article: 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: 15 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
19 / 21 (90 %)	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
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 and were cultured in the same incubator at 37°C and 5.0% CO_2. 90 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 90 percent of the test embryos cultured in the test article developed to the expanded blastocyst stage within 96-hours.

Signature
Study Director

06-21-2021
Date

Signature
Quality Reviewer

06-21-2021
Date

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ELI Accession Number: WPI-5970(R2)-0621 **Date of completion:** 07-03-2021

Lot number: 02052019 **Reference number:** FD3510-100

Description of test article: Fluoro Dish™

Assay system requested by customer: One cell mouse embryos were cultured in the test article using three 5µl drops of culture medium and overlaid with 100µL of 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

Signature
Study Director

07-06-2021
Date

Signature
Quality Reviewer

07-06-2021
Date

Amended 07-06-2021

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ELI Accession Number: WPI-5970-0621 **Date of completion:** 06-15-2021

Lot number: 22092019 **Reference number:** FD5040-100

Description of test article: 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
20 / 21 (95 %)	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 in triplicate drops of 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. 95 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 95 percent of the test embryos cultured in the test article developed to the expanded blastocyst stage within 96-hours

Signature
Study Director

06-16-2021
Date

Signature
Quality Reviewer

06-16-2021
Date

Amended: 06-16-2021