CERTIFICATE OF ANALYSIS

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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