CERTIFICATE OF ANALYSIS QC

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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

CMFutia
Signature
Study Director

06-16-2021
Date

Colin H. Alfer
Signature
Quality Reviewer

06-16-2021
Date

Amended: 06-16-2021