CERTIFICATE OF ANALYSIS

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ELI Accession Number: WPI-2281-0723 **Date of completion:** 07-15-2023

Lot number: ELAB030723 **Reference number:** W031923-35

Description of test article: KWIK-CAST

Assay system requested by customer: The test article was ejected through a static mixing tip onto a 35 mm dish to form the walls of a well. The adhesive was allowed to dry for 30 minutes, disinfected with 70% Isopropyl Alcohol, then rinsed with culture medium. 700 µl of culture medium was then added to the well. One-cell embryos were then added to the well and culture 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:

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. 100 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 90 percent of the test embryos cultured in the well formed by the test article developed to the expanded blastocyst stage within 96-hours.

Signature
Study Director

07-18-2023
Date

Signature
Quality Reviewer

07/17/23
Date