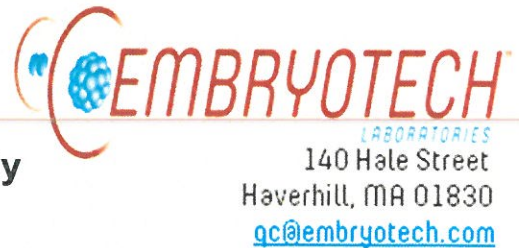


SPL Lifesciences
570 Eumheon-Ri
Naechon-Myeon, Pocheon-City
Gyeonggi-Do
487-832, Korea



ELI Accession Number: SPL-6016-1216

Date of completion: 12-23-2016

Lot number: N/A

Reference number: N/A

Description of test article(s): Petri Dish (35x10mm)

Assay system requested by customer: A 100µL drop of culture medium was pipetted into each test article (3) and overlaid with oil. Each test article received seven one cell mouse embryos for a total of twenty one. The test articles were placed in the incubator for a 96-hour culture.

Control assay method and results: 15 one cell (B6C3F1 X B6D2F1) embryos were cultured in a 35x10 IVF Petridish (Reference 150255) using culture medium:

15 / 15 (100 %)

1-cell to 2-cell within 24 hr

15 / 15 (100 %)

1-cell to expanded blastocyst within 96 hr

For a valid assay, Embryotech™ requires at least 70% of one cell stage control embryos to develop to expanded blastocyst within 96-hours.

Test assay method and results: 21 one cell (B6C3F1 X B6D2F1) embryos were cultured in the three test articles using culture medium:

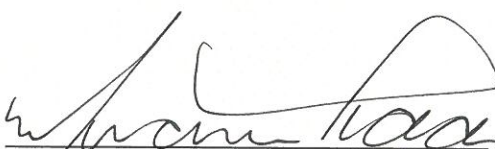
20 / 21 (95 %)

1-cell to 2-cell within 24 hr

20 / 21 (95 %)

1-cell to expanded blastocyst within 96 hr

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% CO₂. 100 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 95 percent of the test embryos cultured in the test articles developed to the expanded blastocyst stage within 96-hours.


Signature
Study Director

12-23-2016
Date


Signature
Quality Reviewer

12-23-2016
Date