

Mouse Embryo Assay Certificate of Analysis

Manufacturer		Microtech
Medium		Micropipette
Batchnumber		1902061
Expiry date		02/2022
Mouse Embryo Test	<u>Result</u>	<u>Specifications</u>
	86%	≥ 80 %

Assay system requested by customer:

1mL of culture medium was placed in a tube with the test article for 30-minutes at 37°C and 5 % CO₂. Post incubation three 12.5 µl drops of the culture medium was extracted from the test article tube and placed in the corresponding wells of a culture dish; 7 one cell mouse embryos were added to each of the three wells and cultured for 96-hours.

Control assay method and results:

15 one cell (B₆C₃F₁ X B₆D₂F₁) embryos were cultured in triplicate micro drops of culture

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 triplicate micro drops of culture medium that was extracted from the test article:

20/21 (95%)

1-cell to 2-cell within 24 hr

18/21 (86%)

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% CO₂. 100 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 86 percent of the test embryos cultured in the extracted culture medium developed to the expanded blastocyst stage within 96-hours.

Release date

05/03/2019

Released by

Peggy Kreyser

Signature

