

## Mouse Embryo Assay Certificate of Analysis

Manufacturer		Microtech
Medium		Micropipette
Batchnumber		1805112
Expiry date		05/2021
Mouse Embryo Test	<b><u>Result</u></b>	<b><u>Specifications</u></b>
	<b>100%</b>	<b>≥ 80 %</b>

**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 % CO<sub>2</sub>. 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 (B<sub>6</sub>C<sub>3</sub>F<sub>1</sub> X B<sub>6</sub>D<sub>2</sub>F<sub>1</sub>) embryos were cultured in triplicate micro drops of culture

15/15 (100%)

1-cell to 2-cell within 24 hr

14/15 (93%)

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 (B<sub>6</sub>C<sub>3</sub>F<sub>1</sub> X B<sub>6</sub>D<sub>2</sub>F<sub>1</sub>) embryos were cultured in triplicate micro drops of culture medium that was extracted from the test article:

21/21 (100%)

1-cell to 2-cell within 24 hr

21/21 (100%)

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% CO<sub>2</sub>. 100 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 95 percent of the test embryos cultured in the extracted culture medium developed to the expanded blastocyst stage within 96-hours.

Release date

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Released by

Peggy Kreyser

Signature

