Mouse Embryo Assay
Certificate of Analysis

Manufacturer		Microtech
Product		Micropipette
Batchnumber		2005271
Expiry date		05/2023
Mouse Embryo Test	***Result***	***Specifications***
	100	**≥ 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 % CO_2. 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:
21 one cell ($B_6C_3F_1$ X $B_6D_2F_1$) embryos were cultured in triplicate micro drops of culture

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 70 % of one cell stage control embryos to develop to expanded blastocyst within 96-hours.

Test assay method and results:
21 one cell ($B_6C_3F_1$ X $B_6D_2F_1$) 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_2. 95 percent of the control embryos developed to the expanded blastocyst stage within 96-hours. 100 percent of the test embryos cultured in the extracted culture medium developed to the expanded blastocyst stage within 96-hours.

Release date	17/06/2020
Released by	Peggy Kreyser
Signature	

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