

Stem Cell Information

The **National Institutes of Health** resource for stem cell research

[Home](#) > [Research Topics](#) > [NIH Human Embryonic Stem Cell Registry](#) > [Cell Lines Not Yet Available for Shipping](#) > Maria Biotech Co. Ltd.—Maria Infertility Hospital Medical Institute

Provider: Maria Biotech Co. Ltd.—Maria Infertility Hospital Medical Institute

Note: These lines are not yet available for shipping.

Maria Biotech Co. Ltd.—Maria Infertility Hospital Medical Institute Registered Cell Lines (Korea)			
NIH Code	MB01	MB02	MB03
Provider's Code	(MB01)	(MB02)	(MB03)
Embryo			
Source	IVF Clinic	IVF Clinic	IVF Clinic
Category	Cryopreservation	Cryopreservation (27 passages) In vitro (>30 passages)	Cryopreservation (27 passages) In vitro (>50 passages)
IVF Status	Were to be discarded 5 years after IVF-ET program	Were to be discarded 5 years after IVF-ET program	Were to be discarded 5 years after IVF-ET program
Characteristics			
Passage #	40	>30	>50
Mouse Feeder Cells Used in Isolation	STO cell feeder (After immunosurgery, isolated ICM cell was cocultured with mouse STO cell and hES cell line was established)	STO cell—feeder free (After immunosurgery, isolated ICM cells were cocultured with mouse STO cell. To grow hES cells without a feeder layer, aged MB02 and MB03 cells that had been passaged 10 times were cultured on Matrigel coated plates, respectively.)	STO cell—feeder free (After immunosurgery, isolated ICM cells were cocultured with mouse STO cell. To grow hES cells without a feeder layer, aged MB02 and MB03 cells that had been passaged 10 times were cultured on Matrigel coated plates, respectively.)
Karyotype	46 XY, Normal	46, XX, Normal	46, XX, Normal
Stem Cell Immuno Markers:			
SSEA-1	-	-	-
SSEA-3	+	+	+
SSEA-4	+	+	+
TRA 1-60	+	+	+
TRA 1-81	+	+	+
Oct-4	+	+	+
Alkaline Phosphatase	+	+	+
Gender	Male	Female	Female
Frozen/Thawed:	40 passages frozen	27 passages frozen >30 passages cultured	>50 passages in vitro culture

Pluripotent	Yes	Yes	Yes
Commercialization			
Available	To scientists in Korea	To scientists in Korea	To scientists in Korea
Price	Unknown	Unknown	Unknown
# Shipped	Unknown	Unknown	Unknown

These cell lines meet the criteria for the use of human embryonic stem cells by federally funded researchers.

In your grant applications please use the NIH codes, rather than the providers' codes, to identify the cell lines.

Information about the cell line comes from the provider and has not been independently verified by the NIH.

For any questions about the registry, please e-mail stemcell@mail.nih.gov.

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