

# Stem Cell Information

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

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MizMedi Hospital—Seoul National University Registered Cell Lines (Korea)	
<b>NIH Code</b>	<b>MI01</b>
Provider's Code	(Miz-hES1)
<b>Embryo</b>	
Patient's Consent	Yes
IRB Approvals	Yes
Source	IVF Clinic
Category	Frozen embryo
IVF Status	Surplus, to be discarded
<b>Characteristics</b>	
Passages	125
Teratoma Foundation	Three germ layer
Embryoid Body	Three germ layer
DNA Fingerprinting	TBD
Karyotype	Normal 46 XY
Stem Cell Immuno Markers:	
SSEA-1	-
SSEA-3	Partially +
SSEA-4	+
TRA 1-60	+
TRA 1-81	+
Oct-4	+
Alkaline Phosphatase	+
Gender	Male
Frozen/Thawed:	
Short-Term	Yes
Long-Term	Yes
Pluripotent	Yes
<b>Commercialization</b>	
Available	1,000
Price	\$5,000
# Shipped	28

TBD = To be Determined

**This cell line meets 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](mailto:stemcell@mail.nih.gov) or call 301-496-2691.



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