

EmbryoGen®: Optimise your IVF

What is EmbryoGen®?

EmbryoGen® is an innovative IVF culture media containing a growth factor called GM-CSF that is normally produced in the woman's fallopian tubes and uterus. Embryos grown in this media from Day 1 up to Day 6 of development, are reported to have improved embryo development and implantation^{1,2}. It may be suitable for women who have had previous IVF failures, multiple miscarriages or who are older than 38 years.

How does it work?

EmbryoGen® contains GM-CSF which naturally promotes embryo growth and development¹. GM-CSF is also used as a communication substance between mother and embryo during pregnancy to promote implantation and fetal viability¹. Therefore, supplementation of culture media with GM-CSF creates a more natural environment to support embryo development in the laboratory.

How much does it cost?

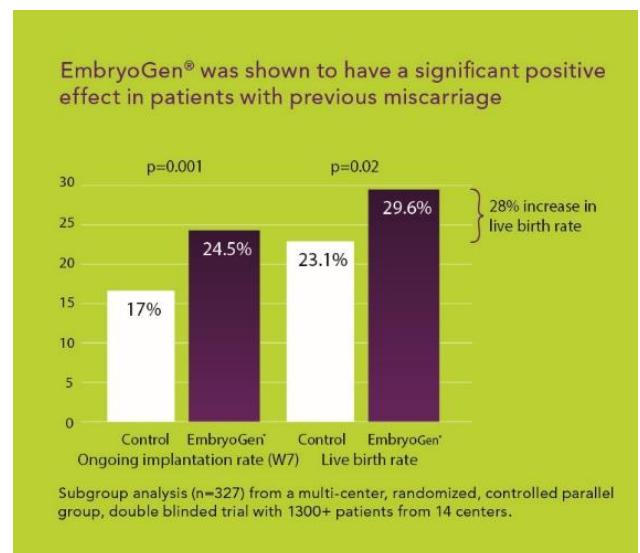
EmbryoGen® is an additional cost to most IVF cycles so please check our current price list.

Is it safe?

EmbryoGen® is FDA approved and is used in over 50 countries worldwide since it was introduced in 2011. To date, there have been no reports of increased birth abnormalities, reduced birth weight or multiple births from the use of EmbryoGen®. The studies to date have also provided no evidence of an increased risk of chromosomal abnormalities in EmbryoGen® babies.

How effective is it?

A large multicenter trial in 2013² demonstrated a significant increase in implantation and live birth rates using EmbryoGen® compared to regular IVF media, specifically in the subgroup of women who have had previous miscarriages.



References

1. Sjöblom C, Wikland M and Robertson SA. Granulocyte-macrophage-colony stimulating factor (GM-CSF) promotes inner cell mass blastomere viability in human pre-implantation embryos. *Fertility and sterility*, 2001. 76(3): p. S70
2. Ziebe S et al A randomized clinical trial to evaluate the effect of granulocyte-macrophage colony-stimulating factor (GM-CSF) in embryo culture medium for in vitro fertilization. *Fertility and Sterility®* Vol. 99, No. 6, May 2013

Ask your Repromed doctor if EmbryoGen® is recommended for you.