



## ECGF pro1 (complete for blood ECs)

Synonyms: Endothelial cell growth factor (ECGF), Endothelial cell growth supplement (ECGS).

*PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING*

Size	Order#	Lot#	Expiry Date
6 mg	4520.919.699		
Please enquire for bulk quantities and other vial sizes.			

### Description

Endothelial cell growth factor (ECGF) or endothelial cell growth supplement (ECGS) is the term used also for a bovine (or porcine) brain extract containing activities promoting growth and maintenance of endothelial cells (T. Maciag, 1972 and 1982). In the early days this extract has been employed as a cell culture supplement together with fetal calf serum to promote long-term serial propagation of human and animal endothelial cells. Its use can reduce the requirement for serum, and heparin has been shown to potentiate the mitogenic activity of the extract (PB Gordon, 1983; Glassberg et al., 1982). The preparation can be used also to grow hybridoma cells without feeder cells (Pintus, 1983). The active factors in these brain extracts have been identified as variants of aFGF (Burgess, 1985). This ECGF product is supplemented with human recombinant VEGF-A in physiological concentrations in order to support growth and differentiation of blood endothelial cells in culture.

- **Source** Cattle

### Biological Activity

Optimum concentration for human umbilical vein endothelial cells (HUVEC) range from 50-200 µg/ml, optimal concentration with heparin (30 µg/ml) is about 12 µg/ml.

### Reconstitution

Reconstitute the contents of the vial in 2 ml of prewarmed (37 °C) sterile PBS or water. Gently rotate the vial until the contents are dissolved. This stock solution may be further diluted in sterile tissue culture media to obtain the desired working concentrations. It is recommended that medium containing diluted product is aseptically filtered prior to use.

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

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\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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