

- RGAs Assays
- Heavy Metal Reporter Gene Assay
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 - Customized Products Option

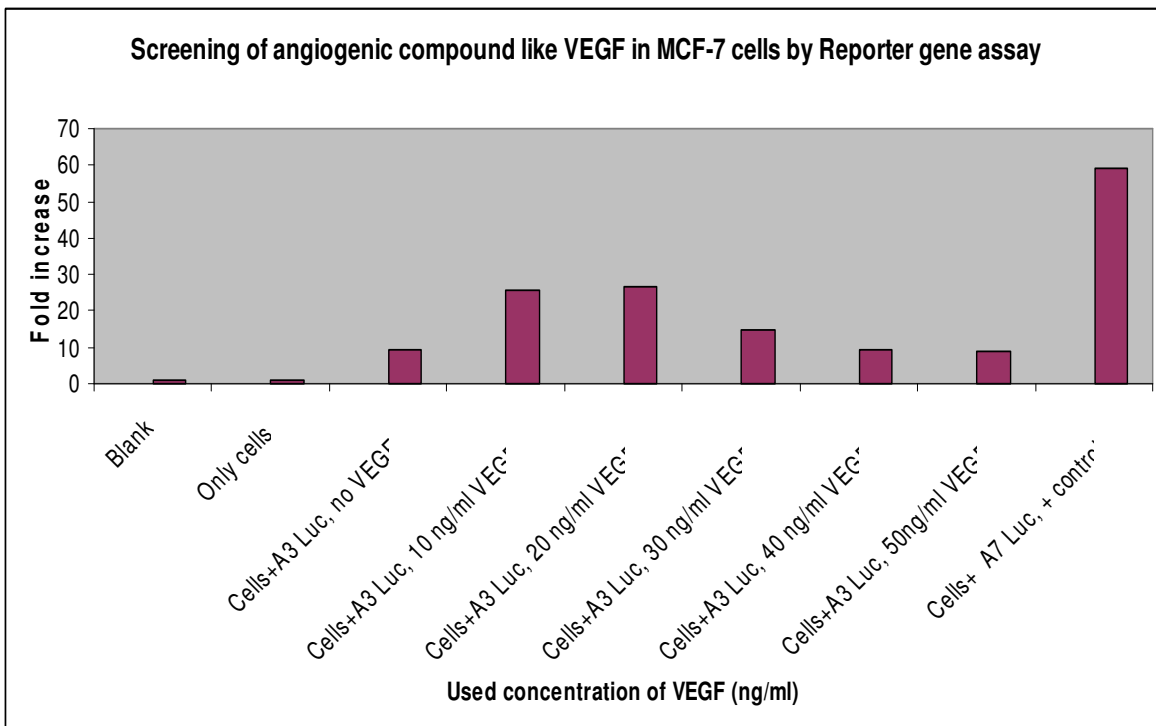
Angiogenic Reporter Gene Assay

PREMAS Biotech offers Development of a novel Reporter gene assay for screening of unknown angiogenic compounds in established Mammalian cell line. **Angiogenesis** is a physiological process involving the growth of new blood vessels from pre-existing vessels. The reporter gene product's activity is quantitatively measured using colorimetric, fluorometric, or luminescent enzyme substrates.

Premas biotech is one of the first few companies who have come up with a solution for the screening of unknown angiogenic compounds by Reporter gene assay. This vector has very unique sequences which can recognize any angiogenic stimulant, and finally regulate the expression of reporter gene. One of the read-outs of the reporter gene assay is based on the quantification of luciferase expression in yeast and/or mammalian cells, using luciferin and ATP as substrate. The reaction results in light production which can be conveniently measured on luminometer.

Advantages of PREMAS Biotech Pvt. Ltd. (PBPL) Angiogenic Reporter Gene Assay

- Fast and Precise, available in 96 well formats in both yeast as well as mammalian systems.
- No animal studies required for initial studies.
- Quantification of exact mRNA levels of luciferase gene at different concentrations of angiogenic compound by RT-PCR.
- Identification of new angiogenic entity before preclinical studies
- Enormous potential for future research



- **Intellectual Property Rights: Patents have been filed by PREMAS Biotech Pvt Ltd, India.**
- **Contact for pricing and information**

To call, write, fax, or email us, visit the Premas Biotech home page,
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