

MBL Advanced Organoid Culture Reagent Universal FGF agonist - "FGF-Max"



What is FGF-Max?

FGF/FGFR signaling pathway is also known to be important in organoid cultures. However, proper selection of different FGFR ligands for each organ type is necessary while organoid culture, complicating experimental set up and execution. Therefore, using the universal FGFR ligand "FGF-1", which shows highly affinity to all the type of FGFR, is expected to be a simple and convenient method for organoid culture.

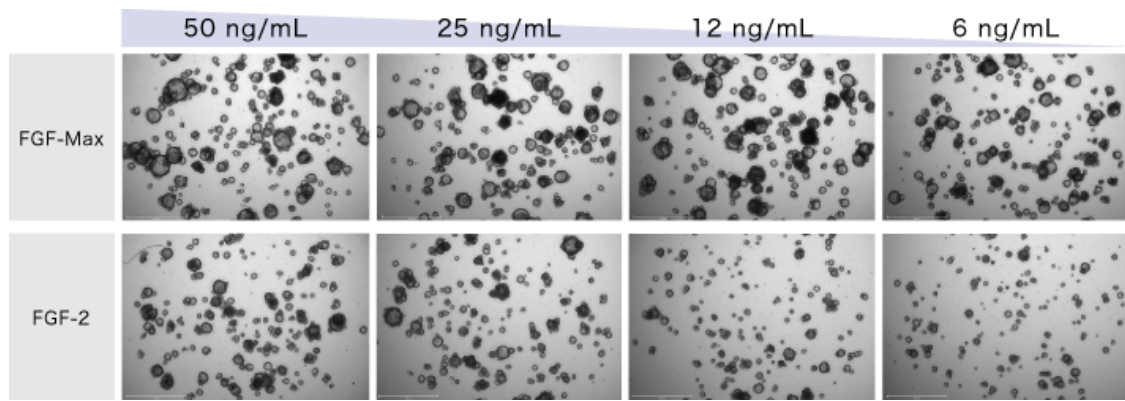
However, FGF-1 is known to be thermally unstable, and at 37°C, which cell-culture is normally being held, the bio-activity is lost within 6 hours, including in the presence of heparin. These factors results in commercially available FGF1 being unable to be used in culture studies.

To solve the problem, MBL provides FGF-Max, a universal FGFR ligand which the thermal stability is highly enhanced by chimerizing FGF-1 and FGF-2.

[Check the Webinar →](#)

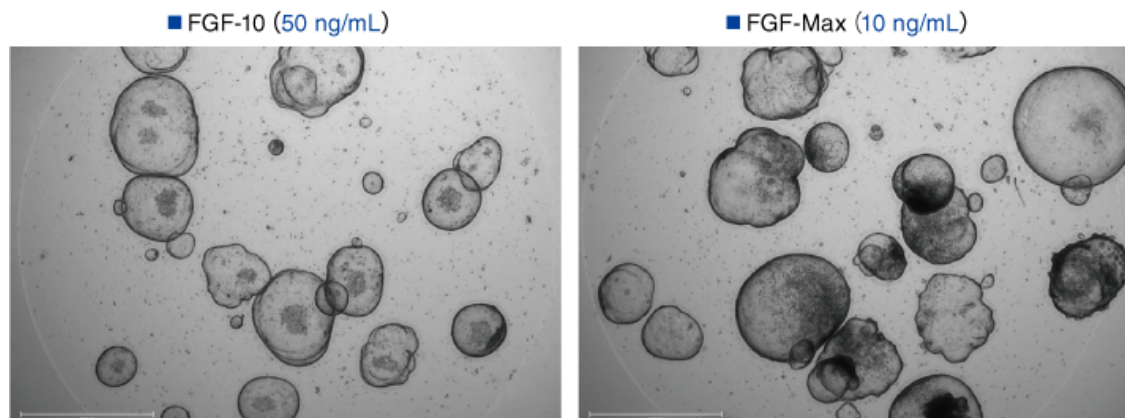
Intestinal Organoid Culture Using FGF-Max

Human small intestinal organoids were cultured in the presence of FGF-Max and FGF-2 (commercially available product). It was suggested that proliferation of organoids is higher in the presence of FGF-Max than FGF-2



Establishment of mouse gastric organoids

Murine gastric organoids were cultured in the presence of FGF-Max and FGF-10 (commercially available product). Similar to human small intestinal organoids, it was suggested that proliferation of organoids is higher in the presence of FGF-Max.



[Check MBL website for more data →](#)

MBL is committed to advancing organoid culture technology by providing products that support stable, long-term organoid culture with cost-effective solutions.

- [Afamin/Wnt3a CM \(High Concentration\)](#)
- [Recombinant Afamin/Wnt3a](#)
- [FGF-Max \(universal FGF agonist\)](#)
- [Recombinant Human R-spondin 1](#)

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Stay tuned for more updates and product information in our upcoming newsletters!

Thank you for choosing MBL for your biological research needs.

When culturing organoids, stem cells, or other tissues, if you are to use this product in combination with other factor or factors (hereunder factors), a third party may have a patent on the use or other application of the factors concerned.

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