

Human Fibroblast Serum-free Medium for cell proliferation suppression

# Xyltech™ H-Fbro-01

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# Xyltech™ Growth H-Fbro

## New cell culture system to control cell proliferation rate



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### Xyltech™ H-Fbro-01

- Human fibroblasts culture medium for suppressing cell proliferation rate
- Rapid cell proliferation recovery after switch back to growth medium
- Serum-free, xeno-free, and animal free synthetic medium with established ingredients
- Suitable for general cell culture equipment
- This product does not contain glucose

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### Xyltech™ Growth H-Fbro

- Serum-free, xeno-free, and animal free synthetic medium with established ingredients
- Compatible with human serum (HS), fetal bovine serum (FBS) and serum substitute additives
- Suitable for general cell culture equipment



We recommend using products Xyltech™ and Xyltech™ Growth as a combination.

# Example of growth control for human fibroblast

## Cell Proliferation Profiling

The cell number of human fibroblasts cultured using Xyltech™ Growth H-Fbro (for cell proliferation, blue) and Xyltech™ H-Fbro-01 (for cell proliferation suppression, orange) was determined.

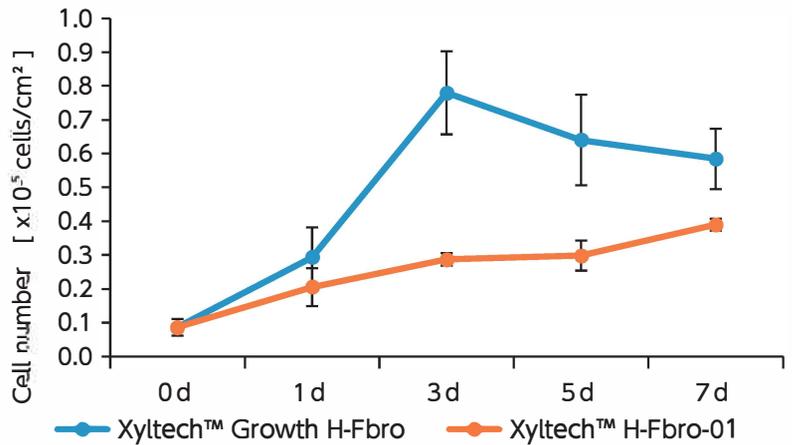


Figure 1. Changes in the number of human fibroblasts

## Cell morphology and collagen-I production

Phase contrast microscope images (upper panel) of human fibroblasts and collagen I immunostaining (bottom panel) after 3 days culture of human fibroblasts with Xyltech™ Growth H-Fbro (for growth) or Xyltech™ H-Fbro-01 (for growth suppression).

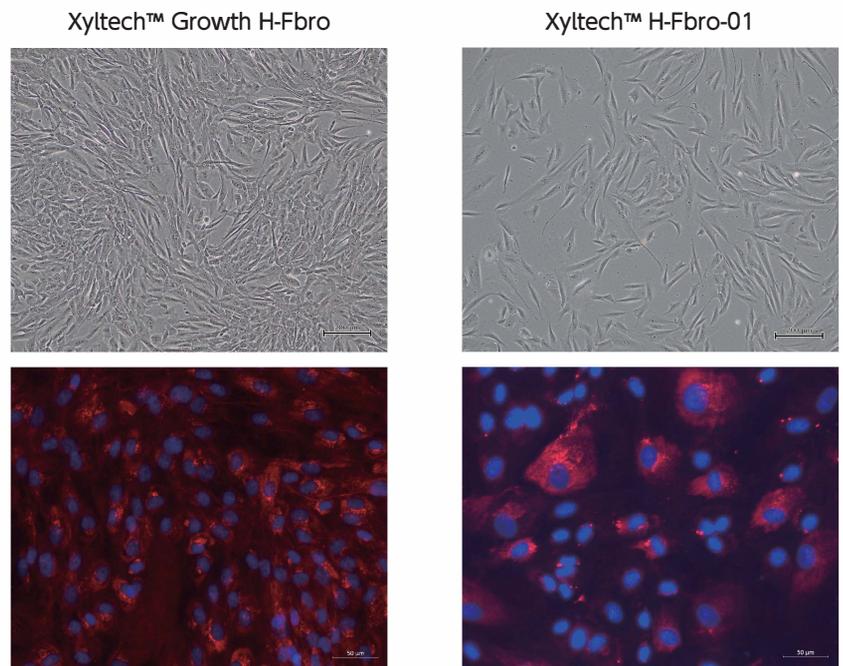


Figure 2. Human fibroblast morphology and immunostaining results

Proliferation of human fibroblasts cultured in Xyltech™ Growth H-Fbro (growth medium) can be suppressed by using Xyltech™ H-Fbro-01 medium while maintaining the cell properties.

Cat. No.	Product name	Features / Applications	Volume
10301	Xyltech™ H-Fbro-01	Serum-free complete synthetic culture medium for human fibroblasts [Cell proliferation suppression]	100ml(P)
10311	Xyltech™ Growth H-Fbro	Serum-free complete synthetic culture medium for human fibroblasts	500ml(P)

These products are research reagents and not intended for human or animal treatment or diagnostic purposes.

(P) PET bottle

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