

FAQ about MSC/H-Fbro series

Q

Is it possible to use Xyltech™ for the growth control culture of cells cultured in media other than Xyltech™ Growth?

A

It has been confirmed that normal human adipose-derived mesenchymal stem cells and human fibroblasts maintained in other companies' mediums other than Xyltech™ Growth (for proliferation) can be cultured in Xyltech™ medium for controlled growth of cells. In addition, we have confirmed that the cells quickly re-proliferate when the medium is replaced with the original growth medium.

Q

Is a coating agent required when culturing cells in Xyltech™ series culture medium?

A

The MSC series and H-Fbro series do not require a coating agent. It can be cultured in a general tissue culture dish.

Q

What is the minimum order quantity for your products?

A

We accept an order of one unit. Please contact the distributor to place your order.

Q

What is a growth medium? Should I use Xyltech™ growth medium?

A

If you are using another company's cell culture medium, you can use it in combination with our growth control culture medium at your discretion. We recommend using a set of growth control medium "Xyltech™" that suppresses cell proliferation and growth medium "Xyltech™ Growth" that proliferates.

Q

Is the composition of the culture medium disclosed?

A

No, we do not disclose the composition.

Q

Is the culture medium xeno-free or animal-free?

A

Xyltech™ MSC-01 Xeno-Free and Xyltech™ Growth MSC Supplement XF contain only human-derived components, no animal derivatives. Xyltech™ MSC-02 Animal-Free and Xyltech™ Growth MSC Medium, MSC Supplement AF contain no ingredients derived from animals, including humans. H-Fbro series for human fibroblasts is a complete synthetic culture medium that is animal-free.

Q

What effect does adding a human serum, fetal bovine serum, or serum substitutes to cell culture media have on cells?

A

The H-Fbro series for human fibroblasts has been confirmed to maintain better cell conditions by adding serum components or serum substitutes in both growth-controlled cultures and growth cultures.

However, when serum is added to the growth-controlled cultures, cell proliferation may be enhanced depending on the amount added. We recommend the following products for xeno-free, animal-free serum replacements.

Artificial serum (Xeno free: NIPRO CORPORATION, Cat. No. 87-081)

Artificial serum (Animal free: NIPRO CORPORATION, Cat. No. 87-082)

Q

How long can "Xyltech™" media suppress cell proliferation?

A

Human fibroblasts can be cultured with suppressed proliferation for about a week using Xyltech™ H-Fbro-01. Human mesenchymal stem cells can be cultured with suppressed proliferation for about 3 days using Xyltech™ MSC-01 Xeno-Free or Xyltech™ MSC-02 Animal-Free.

Q

Is there any problem with using the supplement or culture medium that was thawed at the wrong temperature?

A

If the thawing temperature is incorrect (e.g., thawing at 37°C), there should be no problem using the product unless it is further heated after thawing. However, it is advisable to avoid thawing at temperatures exceeding 37°C.

Deviation from the thawing temperatures recommended in the manual may result in precipitation of certain media components, but we have confirmed that there is no issue with performance when the product is used.