

# Artificial serum

## Instruction for use

### Product Description

Artificial serum is a supplement optimized for CSTI serum-free media, but not limited for use with other serum-free media. A small amount of Artificial serum, 5% or less, supports cell growth same as FBS. Xeno-free or Animal-free supplement can be selected according to the intended use.

Product	Catalog Number (NIPRO/CSTI)	Components	Volume	Storage
*Artificial serum(animal-free)	87-071 / A2G20P2CC	Xeno-free supplement	20 mL	-20 °C ; Protect from Light
*Artificial serum(xeno-free)	87-072 / A2G10P2CC	Animal-free supplement	20 mL	-20 °C ; Protect from Light
Related Product	Catalog Number (NIPRO/CSTI)	Description	Volume	Storage
ALyS505N-175	87-654 / 10217P10	Serum-free medium for PBMC(xeno-free)	1000 mL	2-8 °C ; Protect from Light
ALyS705	87-016 / 120P10	Serum-free medium for PBMC(animal-free)	1000 mL	2-8 °C ; Protect from Light
HFDM-1(+)	87-162 / 2102P10	Serum-free medium for human fibroblast (animal-free)	1000 mL	2-8 °C ; Protect from Light

\* Please select either Xeno-free or Animal-free supplement.

Xeno-free : Contains human derived component, and free of other animal derived component.

Animal-free : Free of all animal derived component.

### Storage & thawing of supplement

1. Artificial serum instructions: upon arrival, store at  $\leq -20^{\circ}\text{C}$  in a freezer. Quickly thaw a frozen supplement in a  $37^{\circ}\text{C}$  water bath being careful not to submerge the entire bottle. Watch the supplement closely; when the whole content melts, please take it out immediately from the water bath. Once thawed, supplement should be stored  $2-8^{\circ}\text{C}$  and add to basal medium within 2 weeks. After supplement is added to serum-free medium, use immediately.

\* Fine particles may be observed but there is no influence on quality.

### Preparation of Culture Media

1. Decontaminate the external surfaces of the Serum-free medium and Artificial serum bottle with 70% v/v ethanol or isopropanol.
  2. Recommended concentration is 5% or less. Optimal concentration should be determined for specific use and cell type.
- \* Recommend making necessary volume of the medium just before use.

[Example of use]

DAUDI

ALyS505N-0 + 5% Artificial serum

PBMC

ALyS705 + 5% Artificial serum

Fibroblast

HFDM-1(+) + 1~2% Artificial serum