

## Product information

## AllPhase Supplement 20X

REF **AGA-1000S****-20°C****Protect from light**Phenol Red **No**

### ❖ Product description

AllPhase Supplement 20X is an optimized serum-free and xeno-free supplement recommended for the growth and expansion of *ex vivo* human mesenchymal stem cells (hMSCs), including bone marrow mesenchymal stem cell (BM-MSC), adipose-derived stem cell (ADSC) and umbilical cord-derived mesenchymal stem cell (UC-MSC).

Human MSCs cultured with AllPhase Supplement 20X keep an excellent expansion rate after several passages and maintain their self-renewal and multi-lineage differentiation potential in coating-free condition.

AllPhase Supplement 20X is provided in liquid form (50 ml) and should be used to prepare complete medium (1 L). Follow the procedure as specified in the user manual to prepare AllPhase complete medium.

### ❖ Precaution and Disclaimer

This product was manufactured for R&D use only. It is not intended for injection or diagnostic procedures.

Do not use AllPhase Supplement 20X beyond the expiration date indicated on the product.

### ❖ Storage/Stability

AllPhase Supplement 20X should be stored at -20°C in the dark. To ensure stability, AllPhase supplement 20X should be thawed at 4°C for 20-24 hours before use. Do not refreeze

### ❖ Direction of use

We recommend to use Iscove's Modified Dulbecco's Media (IMDM from Gibco or Simply) to prepare complete media. Aseptically add 50 ml of AllPhase Supplement 20X in 1 Liter of IMDM.

### ❖ Quality Control

AllPhase Supplement 20X performance is tested for the maintenance and expansion of adipose-derived stem cells for 3 passages. Doubling time  $\leq$  35 hours. Others tested parameters: pH (7.0-8.0), endotoxins (<1 EU/ml), mycoplasma and sterility.

### ❖ Quality Assurance

AllPhase Supplement 20X has been manufactured under ISO13485 and in compliance with GMP standards.

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