



## User Manual

# ***OriCell™ NEAA Cell Culture Supplement (100x)***

***Cat. No. NEAA-10201***

## PRODUCT DESCRIPTION:

OriCell™ NEAA Cell Culture Supplement is a 100× stock solution containing 7 non-essential amino acids. It is used as a supplement to cell culture media for optimized cell growth.

Most cells can synthesize non-essential amino acids (NEAA) through glucoaminolysis, glycolysis, or the TCA cycle. When concentrations of these amino acids are low, cells need to consume more glucose and glutamine in the media, and produce excess by-products, which might affect cell growth. Adding NEAA into cell culture media can mitigate the potential side effects caused by self-production of these non-essential amino acids.

The product is intended for laboratory research use only. It is not intended for diagnostic, therapeutic, clinical, household, or any other applications.

## COMPONENTS:

The seven amino acids are resolved in pH 1.5~1.7 HCl solution.

<b>Amino Acids</b>	<b>Concentration (mg/L)</b>
Glycine	750
L-Alanine	890
L-Asparagine	1320
L-Aspartic acid	1330
L-Glutamic Acid	1470
L-Proline	1150
L-Serine	1050

## INSTRUCTIONS:

1 mL NEAA Cell Culture Supplement is added to 99mL cell growth media for cell culture.

## STABILITY AND STORAGE:

Store at 2-8°C in the dark for up to one year.

Avoid repeated warm-cooling and freeze-thawing for optimal performance.

## **QUALITY CONTROL:**

Standard evaluation includes:

1. Sterility test (bacteria, fungi and mycoplasma)
2. pH test
3. Osmolality
4. Endotoxin

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