

Technical Data Sheet

MOLEQULE-ON[®]

L-Glutamine solution (200 mM)

(Suitable for cell culture)

Cat #: TC-M-LG01100

Description

L-Glutamine Solution (200 mM) is a ready-to-use stock solution. L-Glutamine is an essential amino acid that is a required additive to most cell culture media, facilitating the storage and transfer of nitrogen to the cells in culture. Glutamine is also one of the most readily available amino acids for use as an energy source when glucose levels are low and energy demands are high, especially for rapidly proliferating cell types or cells cultured under hypoxic conditions, where glucose metabolism is less efficient.

L-Glutamine participates in the formation of purine and pyrimidine nucleotides, amino sugars, glutathione, L-glutamate, and other amino acids, as well as in protein synthesis and glucose production. Unlike most other amino acids, L-glutamine is not stable in solution. The rate at which degradation proceeds is a function of time, temperature, and pH.

The solution is filtered sterilized. The recommended concentration for use in cell culture application is in the range of 2-8 mM.

Storage

Store at -20°C .

For Laboratory Use Only. Not for human diagnostics or therapeutics.