
Product Data Sheet

Product Name: BSA Control for Fatty Acid Complexes (5 mM)

Cat. No.: GC46102

Chemical Properties

Cas. No. N/A

SMILES N/A

Formula N/A M.Wt N/A

Solubility Storage Store at -20°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

BSA control for BSA-fatty acid complexes (5 mM) is a fatty acid-free preparation of BSA intended for use as a control for BSA-fatty acid complexes containing 5 mM fatty acid (Cas No. GC46103). It can be used as a control for experiments using BSA-fatty acid complexes to deliver fatty acids to cells in culture for the purpose of monitoring fatty acid oxidation or similar processes in various cellular metabolic studies.^[1,2,3] The BSA/BSA-FAs are acceptable for use with short term cell culture applications (acute treatment to 18 hours), however for long term 25+ hours the product can/should be filter sterilized using a 0.2 µm filter and sterile receptacle without affecting the performance.

Formulation: 0.8 mM BSA in 150 mM sodium chloride, pH 7.4

References:

[1]. Alsabeeh, N., Chausse, B., Kakimoto, P.A., et al. Cell culture models of fatty acid overload: Problems and solutions. Biochim. Biophys. Acta Mol. Cell Biol. Lipids 1863(2),

Caution: Product has not been fully validated for medical applications. For research use only.

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143-151 (2018).

[2]. Wang, D., Green, M.F., McDonnell, E., et al. Oxygen flux analysis to understand the biological function of sirtuins. *Methods Mol. Biol.* 1077, 241-258 (2013).

[3]. Bentebibel, A., Sebastián, D., Herrero, L., et al. Novel effect of C75 on carnitine palmitoyltransferase I activity and palmitate oxidation. *Biochemistry* 45(14), 4339-4350 (2006).

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