



Applied Biological Materials Inc

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Apo-Transferrin

Store at 2-8°C

Cat. No.	Description	Quantity
TM055	Apo-Transferrin	50 mg

Product Description

Transferrin is an important component in culture medium as it assists in the uptake and transport of iron from the culture medium to the cells. Iron allows cells to uptake oxygen from the environment, and stimulates growth-related enzyme activity. Holo-transferrin, the iron-saturated form of transferrin, becomes apo-transferrin, the iron deficient form of transferrin, after releasing iron. When culturing cells in media contain high level of iron, using apo-transferrin is preferred.

Usage

Apo-transferrin is soluble in sterile water at concentration of 10 mg/ml. Choosing which form of transferrin (holo- or apo-transferrin) will depend on the culture conditions for the specified cell line. Recommended for use in either PriGrow IV (**abm**, TM004) or in Dulbecco's Modified Eagle's Medium/Ham's Nutrient Mixture F12 (DMEM/F12) that contains high levels of iron salt, in which apo-transferring is more preferred for culture.

Storage Conditions

Store at 2-8°C.

Shelf Life

18 months from the date of shipping, if stored and handled correctly in powder form. Once solubilized, keep aliquots in -20°C for storage. Multiple freeze-thaw cycles are not recommended.

For laboratory research only. Not for clinical applications.
For technical questions, phone the ABM helpline at 1-866-757-2414

or visit our website at www.abmGood.com