

# CellPrime™ rTransferrin AF

## Sample handling recommendations

### 1. How should I store CellPrime rTransferrin AF once received?

CellPrime rTransferrin AF should be stored at 2 to 8°C. 18 months stability data has been generated at the 2 to 8°C storage temperature on R&D manufactured material. Formal ICH compliant stability studies have commenced on the commercial cGMP material.

### 2. Should I filter CellPrime rTransferrin AF before use?

CellPrime rTransferrin AF is available as a 0.2 µm filtered liquid product. If filtration is necessary, the liquid product or medium containing CellPrime rTransferrin AF should be filtered through a low protein-binding membrane such as Polyvinylidene Fluoride (PVDF) or Polyethersulfone (PES).

### 3. What concentrations of CellPrime rTransferrin AF are recommended for cell culture applications?

A titration of CellPrime rTransferrin AF is recommended for each application as the optimum concentration may vary according to the cell type, culture conditions and other components present in the medium. The recommended working concentration range of CellPrime rTransferrin AF is 1-10 mg/L. CellPrime rTransferrin AF may be directly substituted for serum-derived purified human or bovine transferrin.

### 4. How can I measure the levels of CellPrime rTransferrin AF in my media samples?

Commercially available transferrin ELISA kits can be used to measure CellPrime rTransferrin AF. It is important to note that the standard included in these ELISA kits is either human or bovine derived. For the accurate and consistent measurement of CellPrime rTransferrin AF in your media samples it is recommended to replace the animal-derived standard in the ELISA kit with CellPrime rTransferrin AF.



### 5. How long can I store CellPrime rTransferrin AF containing media samples before analysis?

Current stability studies have shown CellPrime rTransferrin AF in basal and complex media remains stable for up to two weeks when stored at 2 to 8 °C and -20 °C. Ensure the appropriate low protein-binding tube type is used for collection and storage of samples. This stability study is in progress and will include storage of CellPrime rTransferrin AF at 2 to 8°C for up to four weeks.

### 6. What other sample handling recommendations are suggested?

- The use of low protein-binding tubes is recommended for the handling and storage of cell culture containing CellPrime rTransferrin AF media samples.
- Ensure cell culture media samples have equilibrated to room temperature before analysis.
- The sampling and handling procedures for cell culture media samples should be standardized to ensure consistency and accuracy in the measurement of CellPrime rTransferrin AF.
- Avoid repeated freeze-thaw cycles of cell culture containing CellPrime rTransferrin AF media samples.

### To sample or purchase CellPrime rTransferrin AF, please contact Millipore

US and Canada Tel: +1 800 645 5476

Europe: +31 20 567 2601

Rest of the world: +1 781 533 6000

E-mail: [orders@millipore.com](mailto:orders@millipore.com)

Web: [www.millipore.com](http://www.millipore.com)



#### Millipore and Novozymes Partnership

CellPrime rTransferrin AF is manufactured by Novozymes and sold exclusively by Millipore. Millipore and Novozymes have formed a strategic alliance to supply animal-free supplements for cell culture and bioprocessing applications. The CellPrime portfolio of high quality, animal-free alternatives optimizes productivity; addresses drug safety and eases regulatory approval. Along with strength and expertise of both companies comes the assurance of reliable, long term supply of these regulatory compliant supplements.

Millipore is a registered trademark of Millipore Corporation. The M mark is a trademark of Millipore Corporation. CellPrime is a trademark of Millipore and Novozymes. Novozymes is a registered trademark of Novozymes A/S. Lit No. PF1362000 01/09 UP-SBU-08-01317