



Product Specification Sheet

Product Name	Stemfect™ RNA Transfection Kit
Description	The Stemfect RNA Transfection Kit is a proprietary mixture of lipid components specifically designed for <i>in vitro</i> mRNA and siRNA transfection. This kit provides greater than or equal to 90% transfection efficiency of mRNA into a range of cell types with greater than 95% viability; these cell types include human embryonic stem (hES) cells, Jurkat cells, human fibroblasts, and HEK293T cells. Stemfect RNA Transfection Kit has been successfully used to deliver siRNA to hES cells. There is no need to serum-starve cells using this kit as the transfection efficiency remains greater than or equal to 90% in the presence of serum.
Catalog Number	AMS.00-0069
Set Contents	Stemfect RNA Transfection Reagent: 750 ul Stemfect Transfection Buffer: 30ml
Storage and Stability	Stemfect RNA Transfection Reagent should be stored at 4°C and is stable for 6 months when stored as directed. Stemfect RNA Transfection Reagent is dissolved in ethanol; the vial should be capped immediately after use to minimize evaporation. Stemfect Buffer may be stored at -20°C or 4°C and is stable for 6 months when stored as directed.
Quality Control	Stemfect RNA Transfection Reagent has been characterized by mass spectrometry and NMR. Stemfect RNA Transfection Kit is functionally tested for transfection efficiency on human fibroblast cells using eGFP mRNA.
Notice to Purchaser	This product is intended for research purposes only. It may not be used for (i) any human or veterinary use, including without limitation therapeutic and prophylactic use, including without limitation drug delivery and nucleic acid delivery, (ii) any clinical use, including without limitation diagnostic and prognostic use, (iii) screening of chemical and/or biological compounds for the identification of pharmaceutically active agents (including but not limited to screening of small molecules), target validation, preclinical testing services, drug development, (iv) any use in delivery of mRNA, saRNA, siRNA, ssRNA, miRNA and/or combinations thereof for the manufacture of recombinant therapeutic proteins, therapeutic antibodies and vaccines, (v) any use in delivery to and/or modification of cells that are intended for clinical, diagnostic or medicinal use, including without limitation, cell-based therapy, or (vi) any commercial purposes, including without limitation the performance of contract research or provision of services to a third party and the manufacture of products for general sale. Any use of this product for any of the abovementioned purposes requires a license from the Massachusetts Institute of Technology.

For research use only. Not for use in diagnostic procedures.

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