

Synthetic mRNA

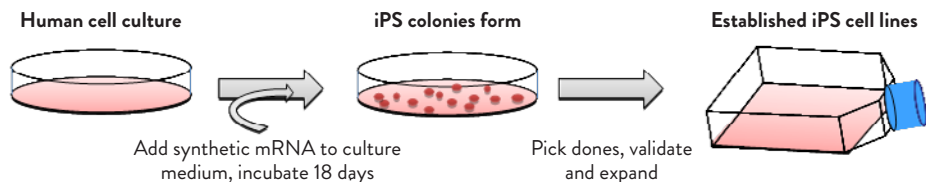
DIRECTED STEM CELL REPROGRAMMING

AMSBIO offers a non-integrating strategy for reprogramming stem cell fate based on the administration of synthetic modified mRNA that greatly increases efficiency whilst reducing the innate antiviral response of viral protocols.

The method for deriving iPS cells originally described by Yamanaka remains the most established technique. Synthetic mRNA is the most advanced and safest method for deriving your iPS cells.

- Pre-made, highly purified and ready-to-use
- Simple, safe, non-integrating technique
- Modified to overcome innate antiviral responses
- Reprogram multiple human cell types to pluripotency
- Higher Efficiencies than traditional protocols
- Direct cell fate and transdifferentiation

SYNTHETIC MRNA MEDIATED REPROGRAMMING



AMSBIO offers ready-to-order synthetic modified mRNA proven to reprogram a wide variety of human cell types.

Alternatively made-to-order custom mRNA is available to meet unique requirements.

Contact us to find out more at info@amsbio.com

Citation

Ilic D et al. (2014) 3D In Vitro Model of a Functional Epidermal Permeability Barrier from Human Embryonic Stem Cells and Induced Pluripotent Stem Cells. Stem Cell Reports Vol. 2, 1-15.

PRODUCTS

Description	Pack Sizes	Cat No
Premixed mRNA set for reprogramming - KMOSL	20µg, 200µg, 500µg, 1mg	7001-100M
Oct4 mRNA, human	20µg, 200µg, 500µg, 1mg	7001-101
Klf4 mRNA, human	20µg, 200µg, 500µg, 1mg	7001-102
Sox2 mRNA, human	20µg, 200µg, 500µg, 1mg	7001-103
c-Myc mRNA, human	20µg, 200µg, 500µg, 1mg	7001-104
Lin-28 mRNA, human	20µg, 200µg, 500µg, 1mg	7001-105
nGFP mRNA	20µg, 200µg, 500µg, 1mg	7001-201
EGFP mRNA	20µg, 200µg, 500µg, 1mg	7001-202
Firefly Luciferase (FLuc) mRNA	20µg, 200µg, 500µg, 1mg	7001-203

TRANSFECTION REAGENT FOR HIGH EFFICIENCY mRNA DELIVERY

Description	Pack Sizes	Cat No
Viomer Red, transfection reagent for plasmid and mRNA	600 rxns	TT100302
Viomer Yellow, transfection reagent for plasmid and mRNA	600 rxns	TT100303