Reduced-serum Medium for Gene Transfection

Modified-MEM for Transfection

Modified-MEM for Transfection is an MEM-based medium designed for gene transfection.

Features

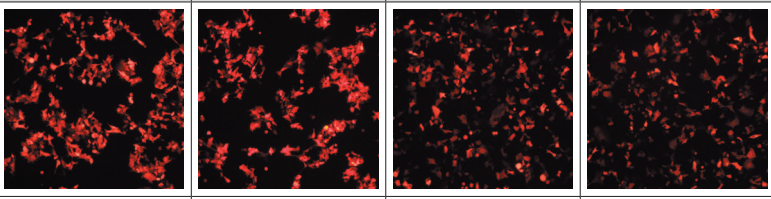
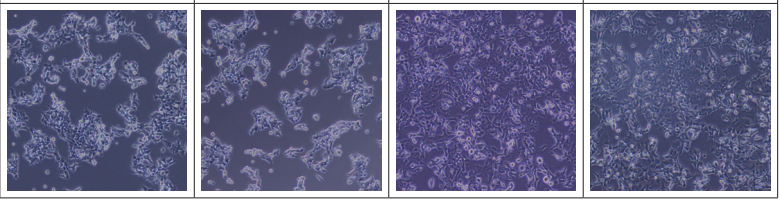
01 **Medium optimized for transfection**
02 **Supports low-serum culture**
03 **Medium composition disclosed**

Product Description

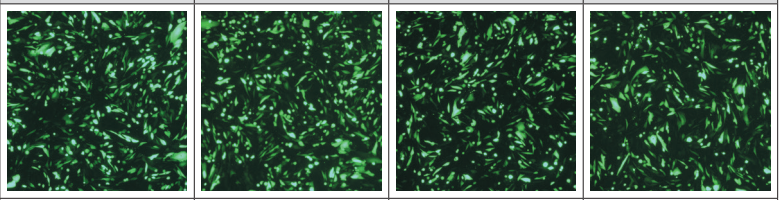
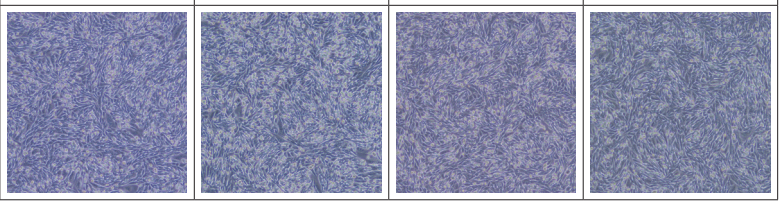
Transfection using this product or competitor media

Cells were transfected with a plasmid vector using this product or Company A's reduced-serum medium, which is commonly used for transfection, together with various transfection reagents. This product showed performance comparable to that of Company A's reduced-serum medium.

● Transfection of HEK293 cells with the pmCherry-N1 vector

Reagent	Company A's transfection reagent (1)		Company A's transfection reagent (2)	
Medium	This product	Company A	This product	Company A
Fluorescence microscope image				
Bright-field image				

● Transfection of CHO-K1 cells with the pAcGFP1-N1 vector

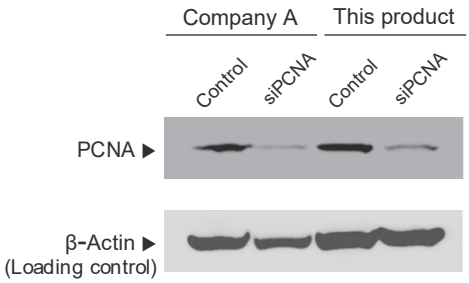
Reagent	Company B's transfection reagent		Company C's transfection reagent	
Medium	This product	Company A	This product	Company A
Fluorescence microscope image				
Bright-field image				

Product Description (cont.)

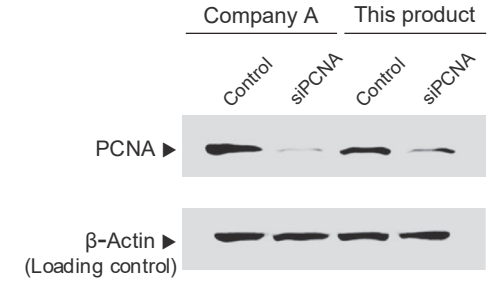
siRNA transfection using this product or competitor media

siRNA was introduced into HEK293 cells using Company A's transfection reagent together with either this product or Company A's reduced-serum medium, and the results were evaluated by Western blotting.

● Transfection using Company A's transfection reagent (1)



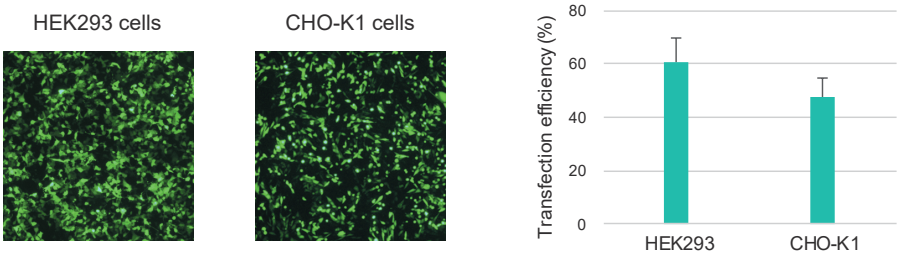
● Transfection using Company A's transfection reagent (2)



Application

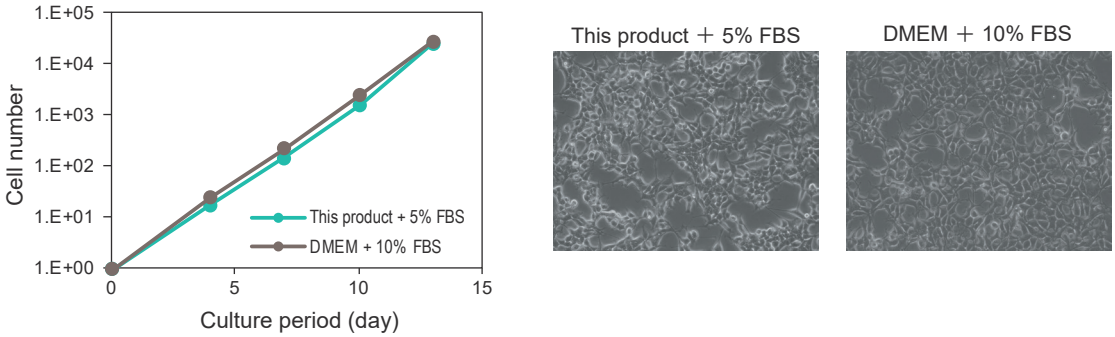
Transfection using this product and DailyFect Transfection Reagent

Using this product and DailyFect Transfection Reagent, 1 µg of the pAcGFP1-N1 vector was introduced into two types of adherent cells. Transfection efficiency was evaluated 48 hours after transfection by microscopy and flow cytometry.



Cell proliferation rate and morphology under reduced-serum conditions

HEK293 cells were cultured using this product containing 5% FBS. Cell proliferation rate and morphology comparable to those observed with DMEM containing 10% FBS were obtained. These results confirmed that cells can be cultured under low-serum conditions using this product.



Ordering Information

Product Name	Grade	Storage	Product No.	PKG Size
Modified-MEM for Transfection	SP (for biochemical research)	Refrigerate	22297-15	500 mL

For research use only, not intended for diagnostic or drug use.

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The quality for certainty.

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