

Certificate of Analysis

www.tocris.com

Product Name: RiboDyEE™

Catalog No.: 9000

Batch No.: 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance:	Orange solution
Solubility:	Soluble in DMSO (Supplied pre-dissolved in DMSO)
Storage:	Store at -20°C

2. ANALYTICAL DATA

Min Absorption at 483nm (+/-3nm):	0.41AU
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Name: RiboDyEE™

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Description:

Key information: RiboDyEE™ RNA Dye is an ultra-sensitive green, fluorescent dye specifically developed in a user-friendly format for RNA-LNP encapsulation efficiency (EE) assays. Rigorously validated against the leading competitor, it delivers equivalent performance, with enhanced convenience and fewer handling steps. Application: RiboDyEE is used for the precise quantification of RNA encapsulated within lipid nanoparticles (LNPs) and can detect low RNA concentrations ranging from 1 to 200 ng. Format: RiboDyEE provides a stable, more usable and cost-effective solution compared to the leading competitor product. Supplied in convenient ... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

Physical Appearance: Orange solution

Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

Soluble in DMSO (Supplied pre-dissolved in DMSO)

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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