

## HelixCript™ Easy cDNA LyoPremix [Dual Primers]

### Kit Contents

HelixCript™ Easy cDNA LyoPremix [Dual Primers]			
Cat. No.	LCDNA-DC24 (24rxns)	LCDNA-DC48 (48rxns)	LCDNA-DC96 (96rxns)
Easy cDNA LyoPremix [DP]	8-strip x 3ea	8-strip x 6ea	8-strip x 12ea
RNase-free Water	1ml	1ml	1ml x 2ea
Instructions for Use	1ea	1ea	1ea

### Description

**HelixCript™ Easy cDNA LyoPremix [Dual Primers]** is a lyophilized version of the HelixCript™ Easy cDNA Synthesis Kit. Lyophilization is a process that removes moisture from the product, allowing for convenient storage and transportation at room temperature. To reconstitute the lyophilized cDNA synthesis premix, simply add RNase-free Water and an RNA template. HelixCript™ Easy cDNA LyoPremix [Dual Primers] contains all the necessary enzymes and buffers, including primers (oligo-dT and random hexamers), reverse transcriptase, RNase inhibitor, dNTPs, and DTT. This pre-mixed formulation is designed to save time during handling, reduce the risk of errors, and minimize the chances of contamination. HelixCript™ Easy cDNA LyoPremix [Dual Primers] offers a convenient and rapid method for preparing an RT reaction mixture, enabling efficient synthesis of 1st-strand cDNA.

### Application

1. Production of initial cDNA strands for subsequent PCR or real-time PCR applications
2. Construction of cDNA libraries

### Storage

- Store at room temperature for a maximum of 6 months.
- For extended storage, maintain the product at or below 4°C for up to 12 months.
- Please protect it from direct light exposure.
- After opening the pouch, we suggest promptly resealing it and storing it in a freezer until the next use.

## Quality Control

Each lot of **HelixCript™ Easy cDNA LyoPremix [Dual Primers]** was tested against predetermined specifications to ensure consistent product quality.

## Protocol

- Recommended RNA Template Amounts for First-Strand cDNA Synthesis:**
  - Total RNA: 10 ng to 5 µg
  - Poly(A)+ RNA: 1 ng to 500 ng
- Mix the following components in a tube containing Easy cDNA LyoPremix [DP]:**

Components	Volumes
RNA Template	Xµl
RNase-free Water	Yµl
Total	20µl

- Incubate the Reaction Mixture:**
  - Initially at 42°C for 10 minutes
  - Followed by 30 to 50 minutes at 50°C
- Inactivate the Reaction:**
  - Heat at 70°C for 10 minutes.
- Storage:**
  - The synthesized cDNA can be immediately used for PCR or stored at -20°C.

## Products

Cat. No.	Products	Size
LCDNA-DC24	HelixCript™ Easy cDNA LyoPremix [Dual Primers]	24rxns
LCDNA-DC48	HelixCript™ Easy cDNA LyoPremix [Dual Primers]	48rxns
LCDNA-DC96	HelixCript™ Easy cDNA LyoPremix [Dual Primers]	96rxns
LCDNA-OC24	HelixCript™ Easy cDNA LyoPremix [Oligo-dT]	24rxns
LCDNA-OC48	HelixCript™ Easy cDNA LyoPremix [Oligo-dT]	48rxns
LCDNA-OC96	HelixCript™ Easy cDNA LyoPremix [Oligo-dT]	96rxns
LCDNA-RC24	HelixCript™ Easy cDNA LyoPremix [Random Hexamers]	24rxns
LCDNA-RC48	HelixCript™ Easy cDNA LyoPremix [Random Hexamers]	48rxns
LCDNA-RC96	HelixCript™ Easy cDNA LyoPremix [Random Hexamers]	96rxns