

HelixCRIPT™ Easy cDNA LyoPremix [Oligo-dT]

Kit Contents

| HelixCRIPT™ Easy cDNA LyoPremix [Oligo-dT] | | | |
|--|------------------------|------------------------|------------------------|
| Cat. No. | LCDNA-OC24 (24rxns) | LCDNA-OC48 (48rxns) | LCDNA-OC96 (96rxns) |
| Easy cDNA LyoPremix [OT] | 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 [Oligo-dT] 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 [Oligo-dT] contains all the necessary enzymes and buffers, including oligo-dT, 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 [Oligo-dT] 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 [Oligo-dT]** 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 [OT]:**

| 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 |