



## SOLIScript RT cDNA synthesis KIT

Cat. No.

Lot. No.

Dispense No.

Expiry date

### Reagents provided:

- **SOLIScript Reverse Transcriptase**
- **RiboGrip RNase Inhibitor** (40 U/ $\mu$ l)
- **10x RT Reaction Buffer with DTT**  
500 mM Tris-HCl pH 8.3, 500 mM KCl, 30 mM MgCl<sub>2</sub>, 100 mM DTT
- **dNTP MIX** (20 mM of each)
- **Oligo (dT) Primer** (100  $\mu$ M)
- **Water, nuclease free**

### Enzyme Description:

**SOLIScript Reverse Transcriptase** (RT) is an *in silico* designed chimeric RNA-directed DNA polymerase. **SOLIScript RT** can synthesize a complementary DNA strand from ssRNA or ssDNA and is active at higher temperatures (up to 60°C). **SOLIScript RT** is a robust enzyme for RNA detection and has enhanced stability at room temperature with no activity loss for up to 1 month. This RT contains a RNase H domain with reduced activity.

### Shipping and Storage conditions:

Routine storage: -20°C

Shipping and temporary storage for up to 1 month at room temperature has no detrimental effects on the quality of the reagents.

### Quality Control:

Assay	Result
First strand cDNA synthesis	passed
ds Endodeoxyribonuclease activity	no
ss Exodeoxyribonuclease activity	no

### Safety warnings and precautions:

This product and its components should be handled only by persons trained in laboratory techniques. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

*Some applications this product is used in may require a license which is not provided by the purchase of this product. Users should obtain the license if required.*

**FOR RESEARCH USE ONLY**

**APPROVED BY:**

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