

# Fast and Simple cDNA Synthesis

## ZymoScript™ RT PreMix Kit

Cat. No. R3012; 100 reactions per kit

### Product Description

The ZymoScript™ RT PreMix Kit contains all the components needed for robust reverse transcription. The kit includes a RT Master Mix that contains random hexamer and oligo dT primers, dNTPs, RNase inhibitors, reverse transcriptase, and an optimized buffer for efficient cDNA synthesis.

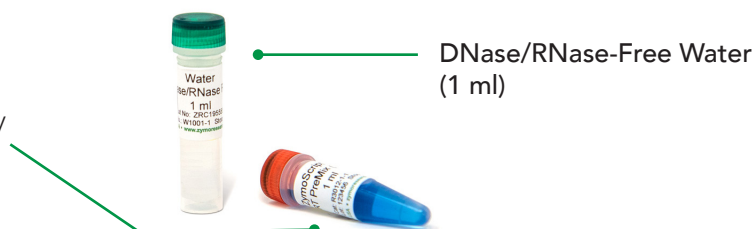
ZymoScript™ RT PreMix Kit is the product of choice for simple and fast cDNA synthesis.

### Highlights

- Ready-to-use 2X RT PreMix
- Complete cDNA synthesis in less than 15 minutes
- Stable reagents for room temperature set-up
- Robust cDNA synthesis from up to 5 µg RNA
- Contains blue tracking dye to help reaction set-up

### Components

**ZymoScript™ RT PreMix (1 ml, 2X)**  
The ZymoScript™ RT PreMix contains everything needed for quick and easy cDNA synthesis.



### Specifications

#### 1. RT Set-up (1 minute)

Component	Volume per Reaction
ZymoScript RT PreMix (2X)	10 µl
RNA Sample	variable
DNase/RNase-Free Water	to 20 µl

#### 2. Reaction Conditions:

Step	Temperature	Time (minutes)
Incubation	25°C	2
Extension	42°C	10
RT Inactivation	95°C	1

## Example Workflow

### RNA Extraction using *Quick-RNA™* or *Direct-zol™* RNA Kits



Cutting-edge RNA purification technology

- Easy, reliable, and rapid isolation of DNA-free RNA from a wide range of sample types.
- Flexible based on sample type, storage conditions, and desired recovery.
- Spin-Column and MagBead formats available.

### cDNA synthesis using the *ZymoScript™* RT PreMix Kit



Simple cDNA synthesis system

- Reaction set-up in less than 1 minute: RNA is combined with the ready-to-use 2X RT PreMix and incubated in a thermocycler or heat block.
- cDNA synthesis from up to 5 µg of RNA completed in less than 15 minutes.
- Blue tracking dye for easy set-up.

### Quantitative PCR with *ZymoTaq qPCR Premix*



Robust and specific qPCR amplification

- Ideal for 2-step RT-qPCR workflows.
- Hot-start polymerase for easy room temperature set-up and superior specificity.
- Robust amplification of DNA and strong fluorescent signal for real-time PCR assays.

Procedure	Product Name	Cat. No.	Size
Sample Collection	DNA/RNA Shield™	R1100/R1200	variable
RNA Extraction/Purification	<i>Quick-RNA™</i> Kits *Choose kit based on sample type	R1050-R1051/R1054-R1056	variable
	<i>Direct-zol™</i> RNA Kits *Column-based RNA extraction using TRIzol	R2050-R2053/R2060-R2063	variable
RNA Clean-Up	RNA Clean and Concentrator-5	R1013/R1017/R1019/R1081/R1080	variable
cDNA Synthesis	<i>ZymoScript™</i> RT PreMix Kit	R3012	100 rxns
qPCR	<i>ZymoTaq qPCR Premix</i>	E2054	50 rxns
		E2055	200 rxns

