# qScript® cDNA SuperMix

# Superior cDNA synthesis in a Single Step

# **FEATURES & BENEFITS:**

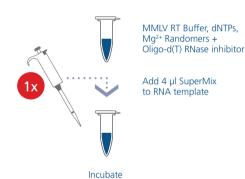
- Single tube convenience and simplicity
- Fast 40 minute protocol
- Stable through 20 freeze/thaw cycles
- Single pipetting step to minimize risk of error or contamination
- Robust performance accurate representation of low-copy genes

### DESCRIPTION:

qScript cDNA SuperMix is a reliable tool for first-strand cDNA synthesis, providing an easy-to-use and powerful solution for two step RT-qPCR. The single tube Supermix contains qScript, an engineered RNase H(+) mutant of M-MLV, and ribonuclease inhibitor protein, along with an optimized blend of oligo (dT) and random primers. Simply add your RNA and go!

# qScript cDNA SuperMix

Stabilized 1-tube SuperMixes simplify reaction assembly and minimize risk of pipetting error



qScript cDNA SuperMix (left) includes all necessary components in a single tube – just add RNA and go! Compare this to competitor options (right) that introduce numerous opportunities for error.

# Primer Make cocktail on ice-bath Add primer & lysate to separate tube incubate & snap-chill on ice Add cocktail to primer/ template tube

Other cDNA Kits

# **ORDER INFO**

**Product Name** 

qScript cDNA SuperMix - 25 R qScript cDNA SuperMix - 100 R

qScript cDNA SuperMix - 500 R

| Quantabio | Catalog | Number |  |
|-----------|---------|--------|--|
| Quantablo | Catalog | Number |  |

95048-025 95048-100

95048-500

25 rxns 100 rxns 500 rxns

Incubate

Trademarks: qScript® is a trademark of QIAGEN Beverly, Inc. Quantabio products are intended for molecular biology applications.

Size

# qScript® XLT cDNA SuperMix

# Premium Performance with SuperMix Benefits

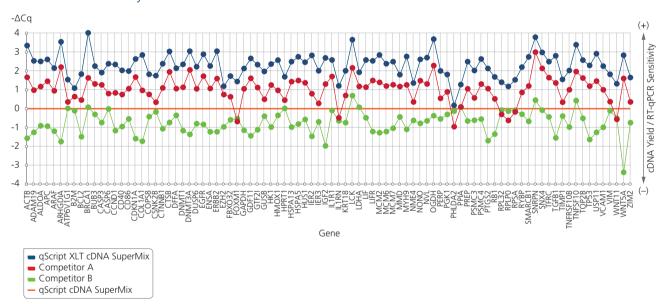
# **FEATURES & BENEFITS:**

- All of the convenience of a single-tube Supermix
- Stable through 20 freeze/thaw cycles
- Superior results across a wide dynamic range of input RNA (10<sup>8</sup> fold)
- Up to 8-fold greater detection sensitivity
- Accurate representation of low-abundance genes

# **DESCRIPTION:**

qScript XLT cDNA SuperMix is a next-generation tool for first-strand cDNA synthesis, providing a highly sensitive and easy-to-use solution for two step RT-qPCR. qScript XLT is an engineered M-MLV reverse transcriptase (RT) with reduced RNase H activity and improved activity and stability at higher temperatures. Combined with precise mixture of reaction components, this SuperMix enables superior results over a wide dynamic range of input RNA, and up to 8-fold higher sensitivity than cDNA synthesis kits utilizing an RNase H(+) reverse transcriptase.

# **Unmatched Sensitivity**



Comparison of cDNA synthesis from brain tissue using qScript XLT cDNA SuperMix (blue) and competitors. Using Quantabio's original qScript cDNA SuperMix as a control, the  $\Delta$ Cq (change in cycle threshold) is shown for each of 96 genes from a panel of brain tissue (higher is better). The results show the consistent and superior qScript XLT performance - more than 2 cycles on average.

# ORDER INFO

| Product Name                      | Quantabio Catalog Number | Size     |
|-----------------------------------|--------------------------|----------|
| qScript XLT cDNA SuperMix - 25 R  | 95161-025                | 25 rxns  |
| qScript XLT cDNA SuperMix - 100 R | 95161-100                | 100 rxns |
| qScript XLT cDNA SuperMix - 500 R | 95161-500                | 500 rxns |

