

# qScript<sup>®</sup> XLT cDNA SuperMix

## Premium Performance with SuperMix Benefits

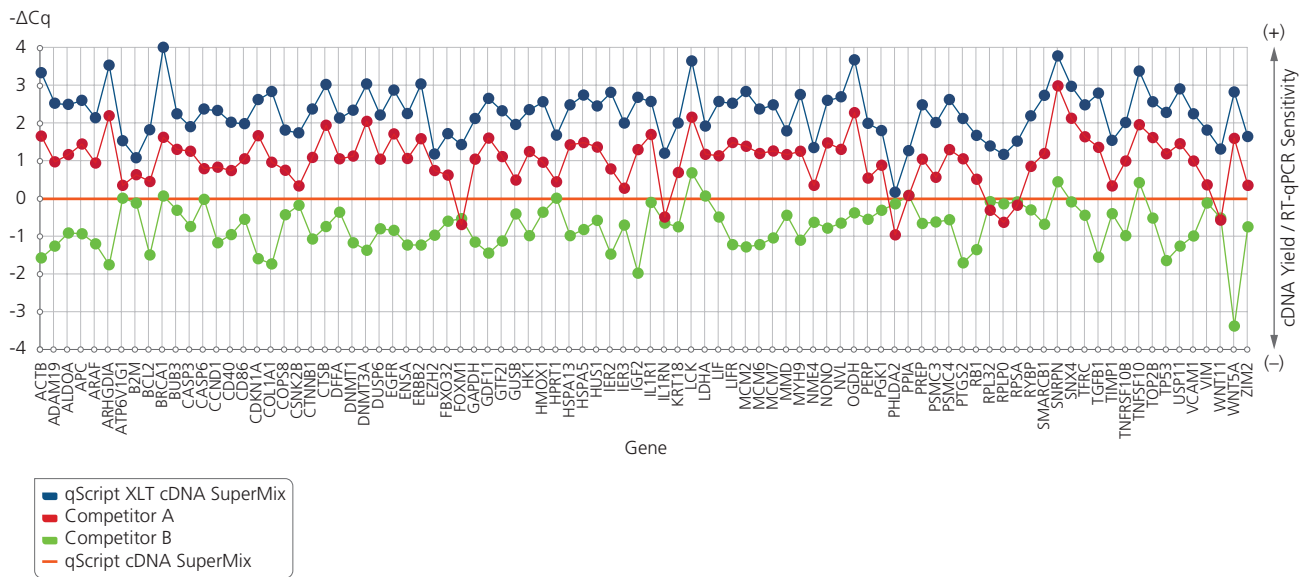
### FEATURES & BENEFITS:

- 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 ( $10^8$  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

qScript XLT cDNA SuperMix - 25 R  
 qScript XLT cDNA SuperMix - 100 R  
 qScript XLT cDNA SuperMix - 500 R

#### Quantabio Catalog Number

95161-025  
 95161-100  
 95161-500

#### Size

25 rxns  
 100 rxns  
 500 rxns

# qScript<sup>®</sup> cDNA SuperMix

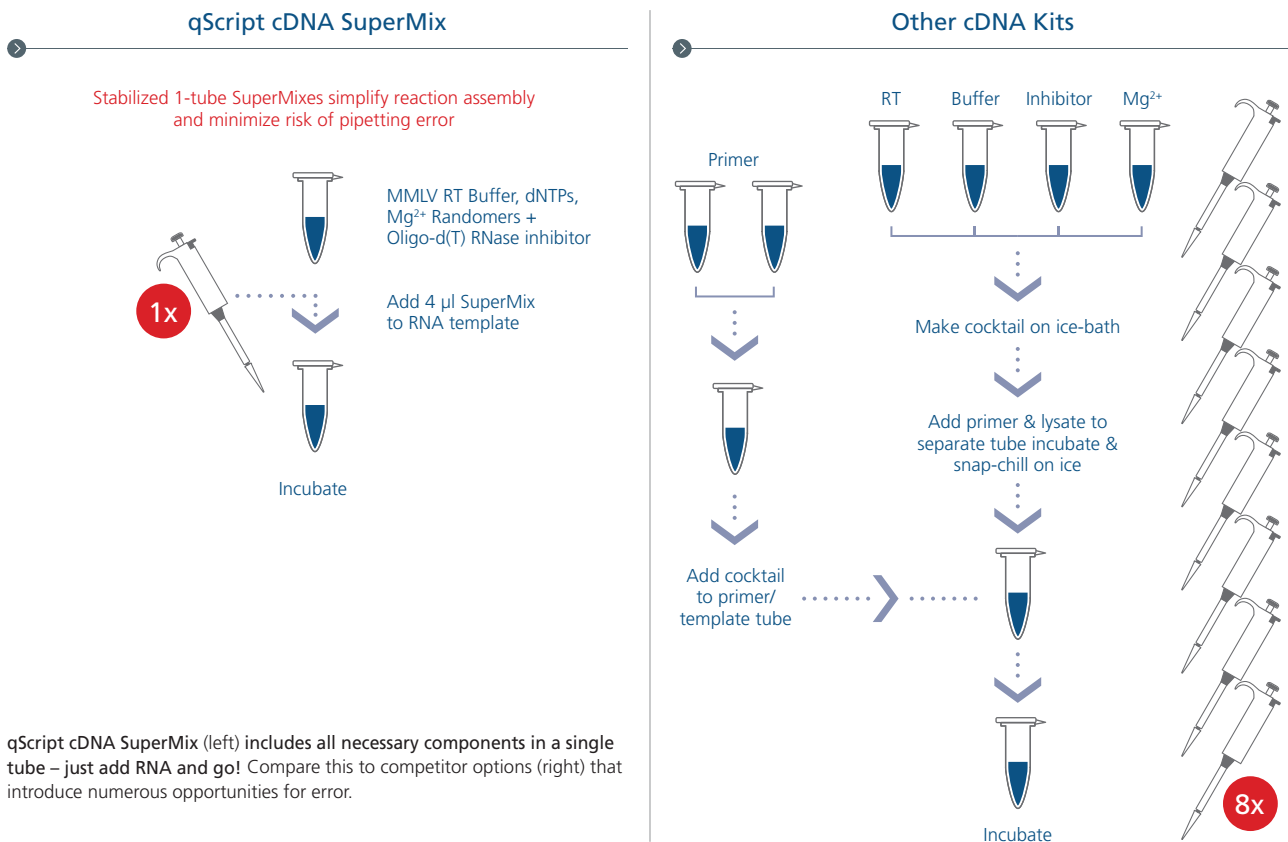
## Superior cDNA synthesis in a Single Step

### 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!



### ORDER INFO

#### Product Name

qScript cDNA SuperMix - 25 R  
 qScript cDNA SuperMix - 100 R  
 qScript cDNA SuperMix - 500 R

#### Quantabio Catalog Number

95048-025  
 95048-100  
 95048-500

#### Size

25 rxns  
 100 rxns  
 500 rxns