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By Ozyme & Clearline



RT-qPCR › Owi Script RT UltraMix with gDNA CleanUp for qPCR

Reliability. Accuracy. Sucess.

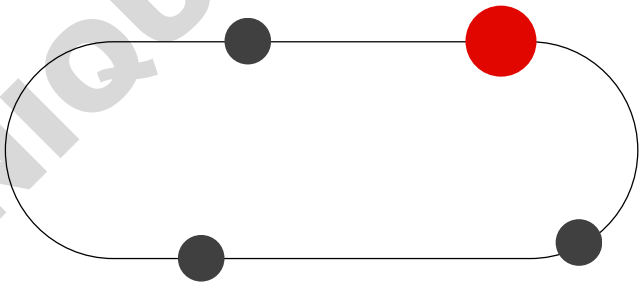
We are with you to improve your research.

RT-qPCR

- **Owi Script RT UltraMix with gDNA CleanUp for qPCR**
- Owi Green FAST qPCR Premix
- Owi dNTP Mix 40mM (10mM dATP, dCTP, dGTP & dTTP)

PCR

Polymerase (Standard, Hot Start, High Fidelity), dNTP mix



ELECTROPHORESIS

Agarose, Dye DNA Stain, DNA Ladder

WESTERN BLOT

ECL, Markers

DOMINIQUE DUTSCHER SAS

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Owi Script RT UltraMix with gDNA CleanUp for qPCR

Retrotranscription (RT) for qPCR with genomic DNA removal

- **Integrated DNase** : Ensures clean cDNA, free from genomic contamination
- **Sensitivity**
- **All-in-One Master Mix** : Contains RNase inhibitor, Oligo(dT), random primers, dNTPs, and $MgCl_2$
- **Fast & Easy** : Ready-to-use format with minimal hands-on time

Owi Script Reverse Transcriptase UltraMix with gDNA CleanUp for qPCR

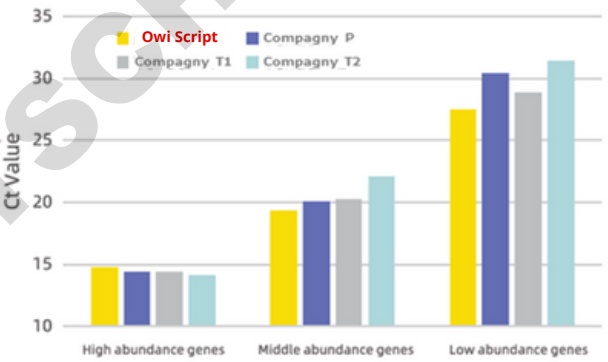
Add Sample	5min
↓	
Remove gDNA	2min
↓	
Reverse transcription	15min
↓	
Inactivation	5min

Classic retrotranscription kit

Add Sample	5min
↓	
Remove gDNA	10min
↓	
Dnase heat inactivation	5min
↓	
Add Sample	5min
↓	
Reverse transcription	15min
↓	
Inactivation	5min

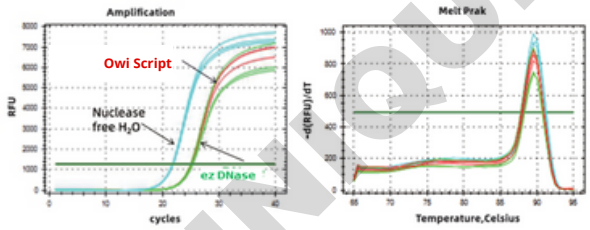
- Samples added in a single step
- Elimination of gDNA and retrotranscription are carried out in the same tube
- Reduced risk of RNA degradation and contamination

Greater sensitivity for low- and medium-expressed genes with Owi Script.



1 µg of RNA extracted from tomato was reverse transcribed using Owi Script® RT UltraMix with gDNA CleanUp for qPCR or P, T1 and T2 kits, then amplified by qPCR.

Removal of gDNA



100 ng of tRNA and 100 ng of gDNA were mixed, treated or not with DNAse, then the mixture was reverse transcribed with Owi Script® RT UltraMix with gDNA CleanUp for qPCR and amplified by qPCR.

Contaminating gDNA is efficiently removed by gDNA CleanUp

- Red: RNA treated with gDNAOut
- Green: RNA treated with ezDNase (Thermo)
- Blue: RNA treated with H2O DNase/RNase-free

Reference	Name	Size
258496	Owi Script RT UltraMix with gDNA CleanUp for qPCR	20 reactions (20 µl)
258497	Owi Script RT UltraMix with gDNA CleanUp for qPCR	100 reactions (20 µl)

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