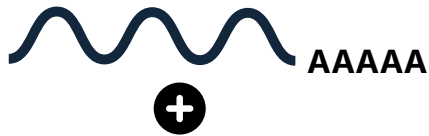


Why Do You Need a Heat Labile UDG?

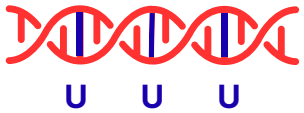
Discover why being able to reliably switch off your UDG is essential for robust, contamination risk free RT-PCR assays

1 STARTING MIX Before Cod UNG

Native RNA (target)



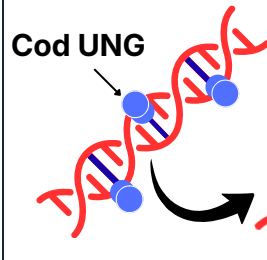
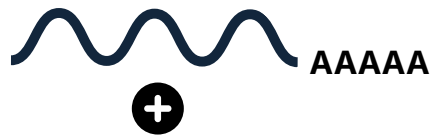
⚠ **Carry-over amplicons**



Uracil containing DNA
contaminants present

2 Cod UNG CLEAN UP Removes contaminants

Native RNA (target)



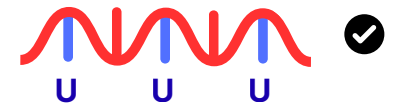
UNG removes uracil
containing
amplicons,
degrading carryover
contaminants

3 REVERSE TRANSCRIPTION cDNA Production

Native RNA (target)



Reverse
Transcription



New cDNA created - no
risk of UNG degradation,
ready for PCR

Cod UNG
Increase Temperature
Cod UNG Irreversibly Inactivated



25°C



50°C+



**Contamination
Risk**



**Remove
Contaminant**



**Enable Reliable RT-qPCR & PCR
Results**

Learn about the origin story of heat labile UDG, hear from its discoverer, the CodFather himself!

Visit www.arcticzymes.com/discover/heat-labile-udg



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Technologies**