

**Ordering information**

**Cells-to-C<sub>T</sub> kits**

Each kit contains sufficient reagents to perform five qRT-PCR reactions per cell lysate. For example, a 100-reaction kit contains enough reagents to prepare 100 cell lysates and perform 500 qRT-PCR reactions.

Product	Quantity	Cat. No.
Cells-to-C <sub>T</sub> 1-Step TaqMan Kit	20 reactions	A25605
	100 reactions	A25603
	400 reactions	A25602
TaqMan Gene Expression Cells-to-C <sub>T</sub> Kit	40 reactions	4399002
	100 reactions	AM1728
TaqMan MicroRNA Cells-to-C <sub>T</sub> Kit	400 reactions	AM1729
	100 reactions	4391848
TaqMan Fast Cells-to-C <sub>T</sub> Kit	100 reactions	4399003
Cells-to-C <sub>T</sub> 1-Step Power SYBR Green Kit	20 reactions	A25601
	100 reactions	A25600
	400 reactions	A25599
	40 reactions	4402953
Power SYBR Green Cells-to-C <sub>T</sub> Kit	100 reactions	4402954
	400 reactions	4402955
Fast SYBR Green Cells-to-C <sub>T</sub> Kit	100 reactions	4402956
	400 reactions	4402957
Single Cell-to-C <sub>T</sub> qRT-PCR Kit	50 reactions	4458237
	400 reactions	4458236
Cells-to-C <sub>T</sub> Stop Solution	1 mL	4402960
Cells-to-C <sub>T</sub> Bulk Lysis Reagents	2,500 reactions	4391851C
Stabilized Blood-to-C <sub>T</sub> Nucleic Acid Preparation Kit for qPCR, compatible with PAXgene or Tempus Blood RNA Tubes	50 reactions	4449079
Stabilized Blood-to-C <sub>T</sub> Nucleic Acid Preparation Kit for qPCR, compatible with PAXgene Blood RNA Tubes	200 reactions	4449082
Stabilized Blood-to-C <sub>T</sub> Nucleic Acid Preparation Kit for qPCR, compatible with Tempus Blood RNA Tubes	200 reactions	4449080
SYBR Green Cells-to-C <sub>T</sub> Control Kit	100 reactions	4402959

Find out more at [thermofisher.com/cellstoc](http://thermofisher.com/cellstoc)

CONFIDENCE TO SOAR.



# Cells-to-C<sub>T</sub> Kits

Measure gene expression with exceptional ease, speed and accuracy

# Real-Time RT-PCR without RNA purification

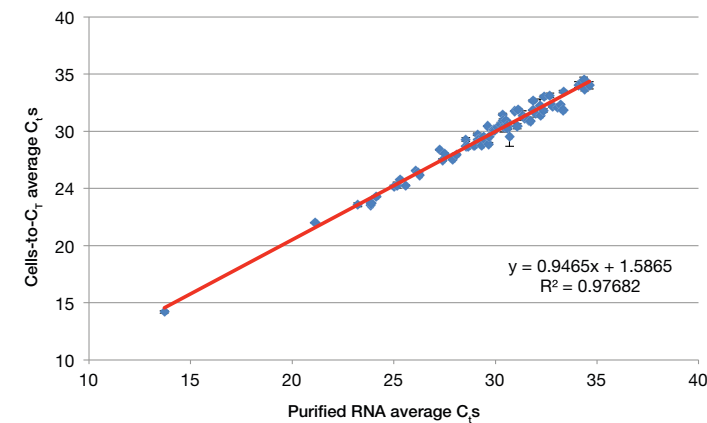
Invitrogen™ Ambion™ Cells-to-C<sub>T</sub>™ kits allow you to skip RNA purification by going straight from cultured cells, blood or single cell samples to measuring relative gene expression by real-time RT-PCR (qRT-PCR). Cells-to-C<sub>T</sub> kits are available in both Applied Biosystems™ TaqMan™ and Applied Biosystems™ SYBR™ Green formats and offer:

- Extraordinary ease and speed—96 samples for qRT-PCR in typically <10 min

- No tedious RNA purification—no columns, heating or centrifugation
- Superior performance—designed for consistent accuracy, reproducibility and sensitivity with 10–100,000 cells
- Validated kit workflows—complete sets of reagents preoptimized to work efficiently right out of the box

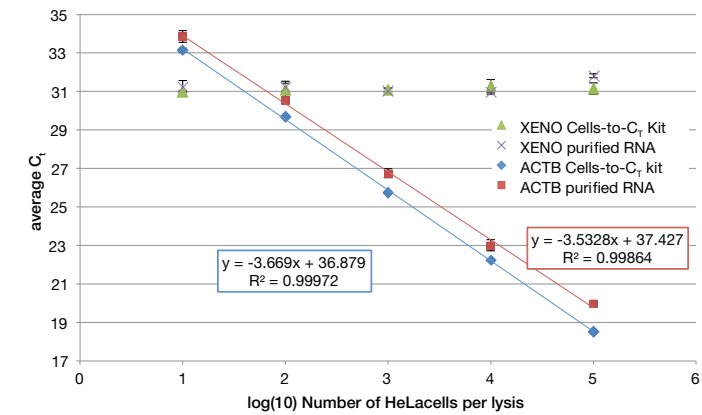
## Skip RNA purification without compromising performance

Performance of the Invitrogen™ Ambion™ Cells-to-C<sub>T</sub>™ 1-Step TaqMan™ Kit is tightly correlated with a traditional approach using purified RNA.



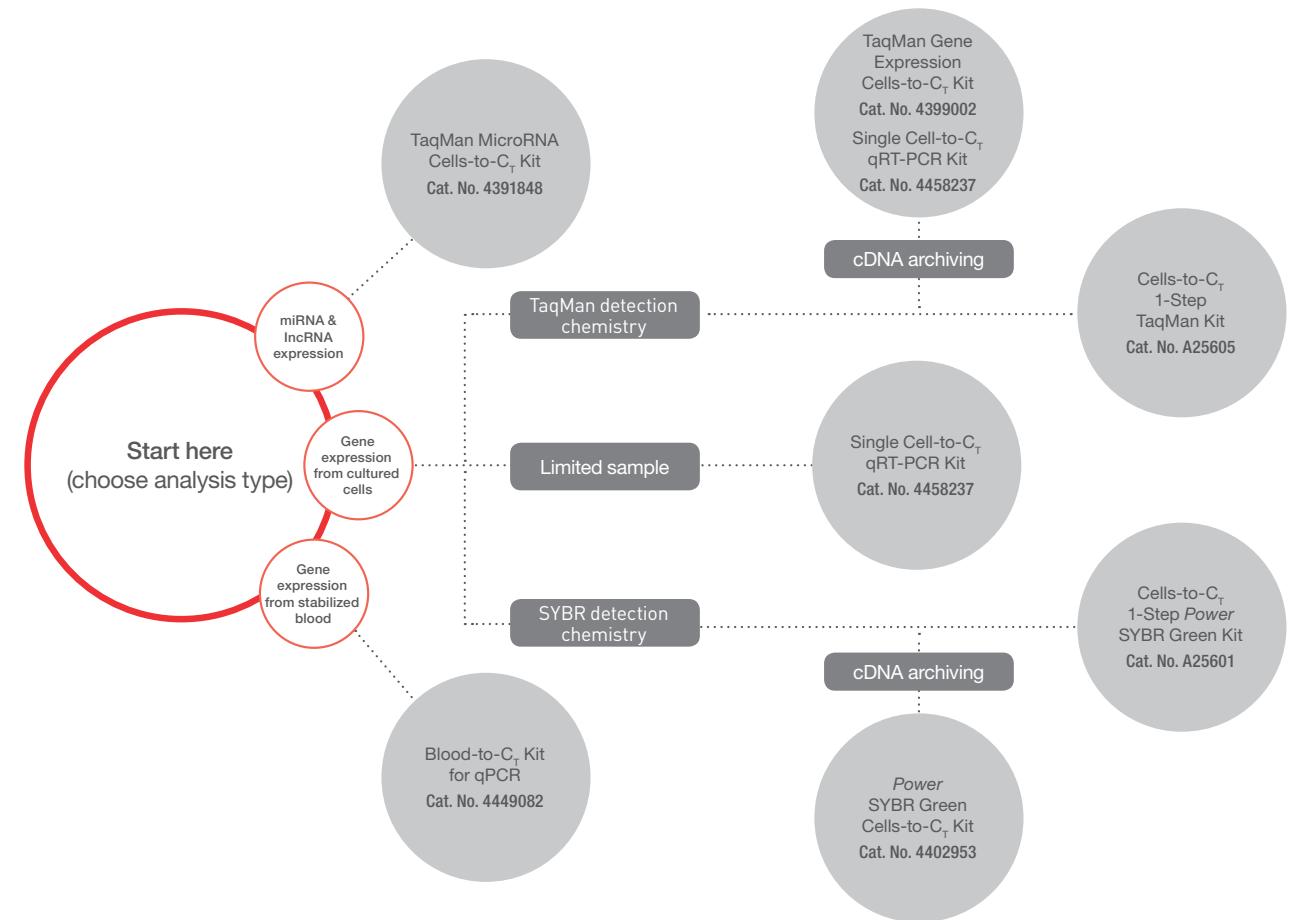
Data from 72 assays compares performance of the Cells-to-C<sub>T</sub> 1-Step TaqMan Kit with a traditional approach using purified RNA. Lysate from 16,500 Jurkat cells was prepared for qRT-PCR on the Applied Biosystems™ 7900HT Real-Time PCR System.

Sensitivity of the Cells-to-C<sub>T</sub> 1-Step TaqMan Kit is better than a traditional approach using purified RNA.



HeLa cells (10 to 100,000) were processed in triplicate using the Cells-to-C<sub>T</sub> 1-Step TaqMan Kit or RNA purified with an RNA spin column method. Each set of samples was analyzed by qRT-PCR for β-actin and XenoRNA™ targets using the Invitrogen™ Ambion™ Cells-to-C<sub>T</sub>™ Control Kit on the 7900HT Real-Time PCR System.

## Cells-to-C<sub>T</sub> technology guide



### Choose a 1-step kit, if you:

- Do not store cDNA
- Dispose of samples after one or a few uses
- Have many samples with one or a few targets
- Use liquid handling robotics
- Need to reduce the chance of cross contamination
- Need to reduce time-to-results

Find out how your Cells-to-C<sub>T</sub> workflow can be automated at [thermofisher.com/autocellstoc](https://www.thermofisher.com/autocellstoc)

To find out more and to order, go to [thermofisher.com/cellstoc](https://www.thermofisher.com/cellstoc)