

EZCt Cells2Ct Direct Lysis Buffer for qPCR

Single buffer to lyse cells for qPCR

mRNA purification for gene profiling by qPCR is becoming routine for functional genomics and personalized medical studies. mRNA is sensitive to RNase degradation during the many steps of isolation, making the process less reliable and time consuming. Isolating mRNA in highthroughput gene expression or targeting applications for qPCR is almost impractical.

Reagents such as Cells-to-Ct* that can be used to lyse cells in wells, and the resulting lysate could be used directly in qPCR would become the first choice. It is a very expensive 2-reagent protocol. Lifeome scientists have developed the EZCt Cells2Ct Direct Lysis Buffer to vastly improve the process at a much affordable price:

- ♪ Single Buffer;
- ♪ Room Temperature (RT) storage;
- ♪ Lysates are stable for up to 2 weeks, RT!
- ♪ 1-2-3 Protocol: wash, lyse and the lysates are ready when you are ready for qPCR!

*: TM of ThermoFisher or its affiliates.

Catalog Numbers	Volume	Applications*
EZCt-1ml	1 ml	20 (Wells)
EZCt-10ml	10 ml	200 (2 Plates)
EZCt-100ml	100 ml	2000 (10 Plates)

Note: Number of applications is estimated using 96-well plates, 500-2000 cells per well. Dead volume, pipetment errors and/or handling loss could result in more or less of the number of applications.

Product Details

Lot Number	On vial label
Sterility	0.2 um membrane filtered and packaged aseptically
Formulation	Proprietary
Physical Appearance	Sterile filtered colorless solution Could appear slightly turbid

Stability and Storage

Storage	Room Temperature
Shelf-life	3 Months
Precautions	Do NOT freeze the product. Temporary 4°C storage acceptable, warm to room temperature before use.
Lysate	Room temperature stable for short term, or -20°C for long term.

Protocols

96 Well Plates	<ol style="list-style-type: none"> 1. Treat your cells as needed, limit cell number to below 2000/well. 2. Wash cells once with 1x PBS. 3. Add EZCt 50ul/well. Pipet up/down 5 times, avoid excessive bubbling. 4. Incubate the lysis for 5 min at room temperature. 5. Titrate or use 1ul for qPCR. DNase I treatment optional, and not supplied.
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Lifeome Quality

Quality guaranteed and expert technical support available.

If you have any questions about this and other products, let our scientists know:

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