Cells-to-Cts Brief Protocol Overview

- Recover 10^4 to ~10^6 cells by either Trypsinization or scraping then pellet cells through centrifugation: ≤ 1,200xg for ~5 min.

1. Add 100 µl chilled Cells-to-Cts Lysis Buffer to pelleted cells, mix, and incubate 10 min at 75°C

2. Cool the sample on ice.

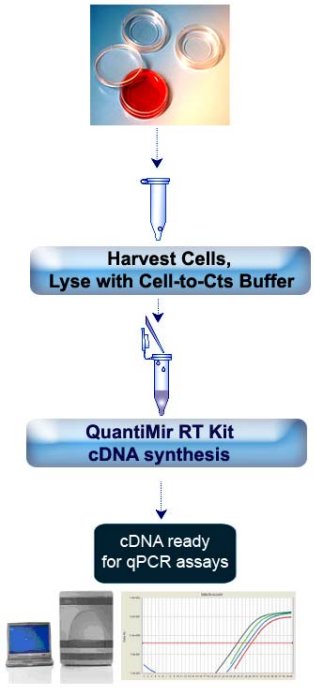
3. Add 2 µl DNase I per 100 µl Cells-to-Cts Lysis Buffer, incubate 15 min at 37°C

4. Inactivate the DNase at 75°C for 5 min

5. Store lysates at -80°C or use immediately

6. Use 5 µl of lysate directly in QuantiMir reactions (see QuantiMir user manual),

The Cells-to-Cts kit comes with the Lysis Buffer, DNase I and a QuantiMir Kit. The technology can be used in detecting microRNAs and siRNAs, as well as mRNAs.



Summary

1. Cell-to-Ct lysis buffer is compatible with the QuantiMir RT kit
2. QuantiMir RT kit converts siRNA and mRNA to cDNA efficiently (up to 2kb)
3. Enables quantitation of siRNA directly from cells
4. Allows measurement of mRNA knock down directly from cells

Cells-to-Cts + QuantiMir complete Kit

- **Cells-to-Cts Lysis Buffer : 2 ml**
- **DNase I : 40 µl**
- **QuantiMir RT Kit included**