

Direct Lysis to SignArrays - DiLysis Kits

User Guide

- ✓ Cat # DiLysis-10
- ✓ Cat # DiLysis-25
- ✓ Cat # DiLysis-50



For research use only

Store at -20°C & keep away from light

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I. Product information

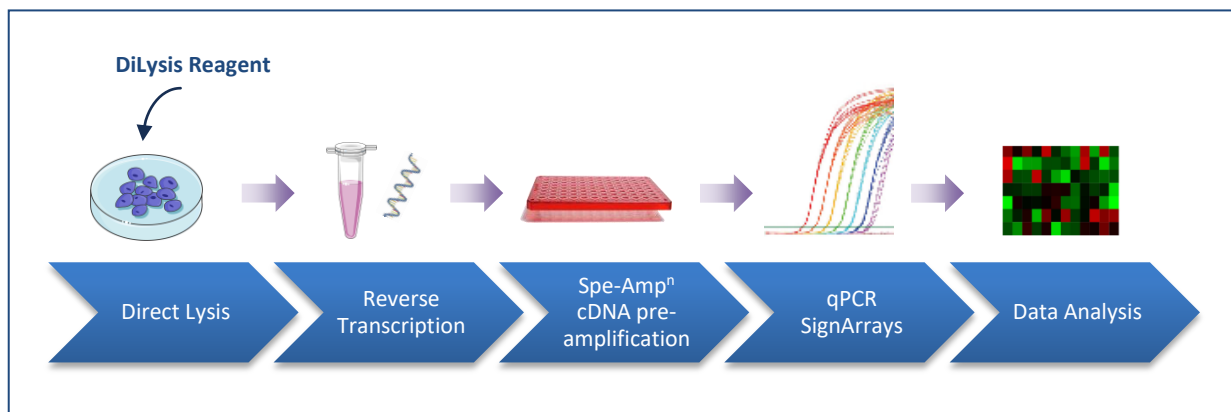
1) Introduction

The Direct Lysis to SignArrays - DiLysis Kits is an optimised and complete solution to perform high-throughput transcriptomic analysis with only small amounts of biological material (even with just few cells or ng of tissues).

Thanks to its unique formulation and its fast and optimal protocol, the DiLysis kit allows to lyse your samples in a very small volume to directly proceed to the high-throughput transcriptomic analysis of your samples. Contrary to standard RNA protocols, the DiLysis system reduces the time of the protocol from RNA extraction to high-throughput transcriptomic analyses and any loss of material by reducing the number of pepping steps.

DiLysis kits are fully compatible with the AnyGenes® SignArrays® system.

Principle :



The **DiLysis Kits** have been **optimised and experimentally validated** thanks to our strict quality control policy in order to give **highly reliable and reproducible results**.

It contains a unique and optimized formulation to efficiency lyse your samples in a small volume without any interference with the Reverse Transcription and qPCR arrays.

The performance of AnyGenes® DiLysis kits has been carefully designed to provide you a high sensitivity and reliability. For details see www.anygenes.com.

✓ Quality Control

As part of our routine quality assurance program, all AnyGenes® products are monitored to ensure the highest levels of performance and reliability.

2) [Intended use & licencing](#)

For molecular biology research use only. This kit is not intended for diagnosis, prevention or therapeutic applications. AnyGenes® will be not responsible of the misuse of their products.

3) [Kit contents](#)

The DiLysis system is comprised of :

- DiLysis reagent, lysis buffer optimised to the fast and efficient lysis of your samples, in a very small volume, without any interference with the Reverse Transcription and qPCR arrays.
- RTUL-Enz reagent, containing enzymes at an optimal concentration to proceed to the exclusive lysis of cell membranes.

These products are available in several formats compatible with all of our SignArrays® systems:

Catalog Ref :	Contents
DiLysis-10	DiLysis-10 : 1 x 110 µl + RTUL-Enz : 1 x 10 µl
DiLysis-25	DiLysis-10 : 1 x 275 µl + RTUL-Enz : 1 x 25 µl
DiLysis-50	DiLysis-10 : 1 x 550 µl + RTUL-Enz : 1 x 50 µl

For more product information, please visit www.anygenes.com or contact us at technical@anygenes.com

4) [Storage & stability](#)

Upon receipt, store DiLysis kits at -20°C until their use. These storage conditions guarantee a long-term storage of AnyGenes® products for a minimum period of six months after their receipt. Moreover, in order to guarantee the stability of these products, avoid repeated freezing and thawing cycles. If small volumes of reagents are frequently required, we recommend to stock alicots at -20°C.

5) Additional reagents and equipment required

A) Reagents :

- Your samples (from 1 to 1000 cells)
- PBS 1X

B) Material :

- Thermo Cycler Instrument (with sufficient ramp rate ($> 1^{\circ}\text{C/s}$)) or incubator
- Vortex mixer and Mini-centrifuge
- “nuclease, RNase, DNase free” tips and tubes
- Pipettes for reaction mix preparation and dispensing

For more product information, please visit www.anygenes.com or contact us at technical@anygenes.com

II. Protocol

1) Before you start...

To obtain reliable and reproducible results and avoid contamination and false-positive signals, it is important and necessary to follow Good Laboratory Practices.



Caution: Ensure that this protocol is compatible with your samples, notably the maximal amount of cells to not exceed.

Samples type	Maximal amount
Cultured cells	1-1000 cells

For any further applications, please contact us at technical@anygenes.com.

2) Procedure

- 1) Thaw AnyGenes® DiLysis and your samples 5 minutes before use, in order that slowly reaches room temperature. You can also work with your samples on ice.
- 2) Prepare the work area (highly recommended under workstation) by carefully cleaning all material and areas with a suitable detergent and then decontaminating the workstation through exposure to UV.
- 3) Reconstitute the complete DiLysis reagent, according to the following table :

Reagent	Volume / reaction
DiLysis	11 µl
RTUL-Enz	1 µl
Total Lysis Mix	12 µl

- 4) Wash your cells in PBS 1X to remove any residue of cell culture buffer.
- 5) Add 12 µl of Lysis Mix to each sample.
- 6) Incubate 10 minutes at 37°C.
- 7) Then incubate 10 minutes at 85°C.
- 8) You can now directly proceed to the Reverse Transcription step by using 10 µl of your lysed samples to a final RT volume of 20 µl.

III. Additional Informations

For any further information, please contact AnyGenes® technical support via the following email address : technical@anygenes.com

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