

Manipulation Induced Change of Gene Expression.

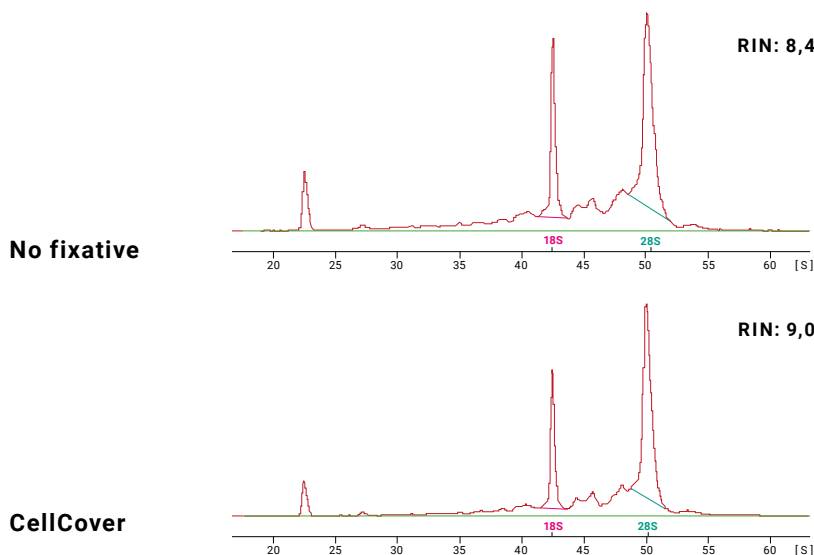
Cells Treated with CellCover
Maintain Their Native State.

Manipulation Induced Change of Gene Expression.

As soon as cells experienced changes in their environment they adapt signal transduction and gene expression to it. Thus, upon temperature change and/or cell culture medium removal and trypsinization, cells adapt transcriptome and proteome very rapidly. 1,2)

Keeping the true cell. The rapid fixation of RNA and proteins is very important for expression patterns to remain unchanged. Such rapid fixation is often at the expense of other factors such as molecule cross-linking by PFA or cell lysis by high-salt reagents that stabilize RNA. Not so with CellCover, which instantly fixes and stabilizes cells in their true state of RNA and protein expression.

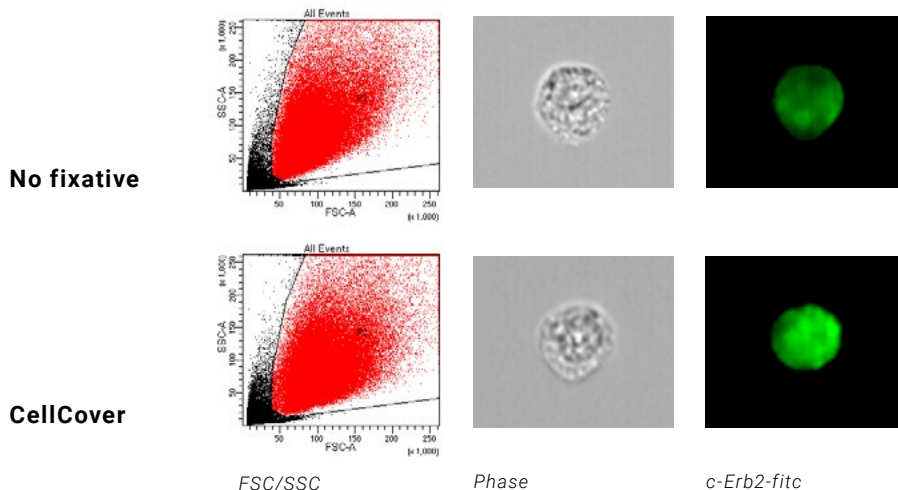
Cells Treated with CellCover Maintain Their Native State.



High RIN values maintained.

Have you ever fixed your cells directly in their culture flask and then performed trypsinization for further experiments? Probably not. But with CellCover you can, saving materials, time, and money. Most importantly, with CellCover fixation followed by trypsinization, excellent sample quality is maintained with no time given for changes in the sample to occur.

Flow Cytometry with IMAGE STREAM

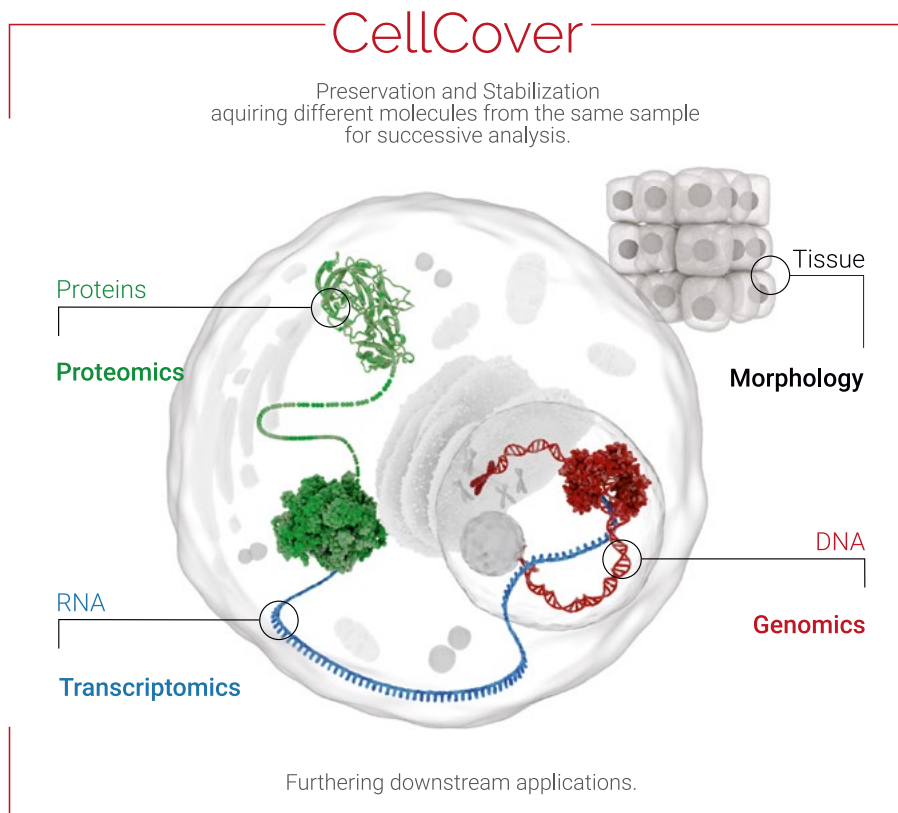


There is even more to it.

Not only perfectly fixed RNA is retained after trypsinization, but typical cellular morphology is also maintained and the antigens are readily accessible for a wide variety of applications (IF, IHC etc.).

CellCover

The unique benefit. CellCover is the only reagent that allows parallel storage of proteins, RNA, and DNA in their cellular context, maintaining cellular shape integrity without chemical crosslinking.



The easy solution. Application of CellCover is simple: remove cell culture medium, apply CellCover and incubate for two minutes. Then proceed with your standard protocol.



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Possible downstream applications:

- **Batch and single cell analysis**
- **Flow cytometry / FACS**
- **Immunocytochemistry**
- **Immunohistochemistry**
- **FISH**
- **Microarray**
- **NGS**
- **PCR**
- **RNA Sequencing**
- **Northern Blotting**
- **Western Blotting**
- **Many more applications**

For interest and quotes and for further questions concerning our product and applications, please contact us at:

TEL +49 (0)40 66 99 80 13
E-MAIL contact@anacyte.com
WEB www.anacyte.com

Anacyte Laboratories GmbH
Saseler Bogen 3
22393 Hamburg, Germany

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LABORATORIES