

Manipulation Induced Change of Gene Expression.

Cells Treated with CellCover Maintain Their Native State.

1 Anacyte Laboratories



Company Profile

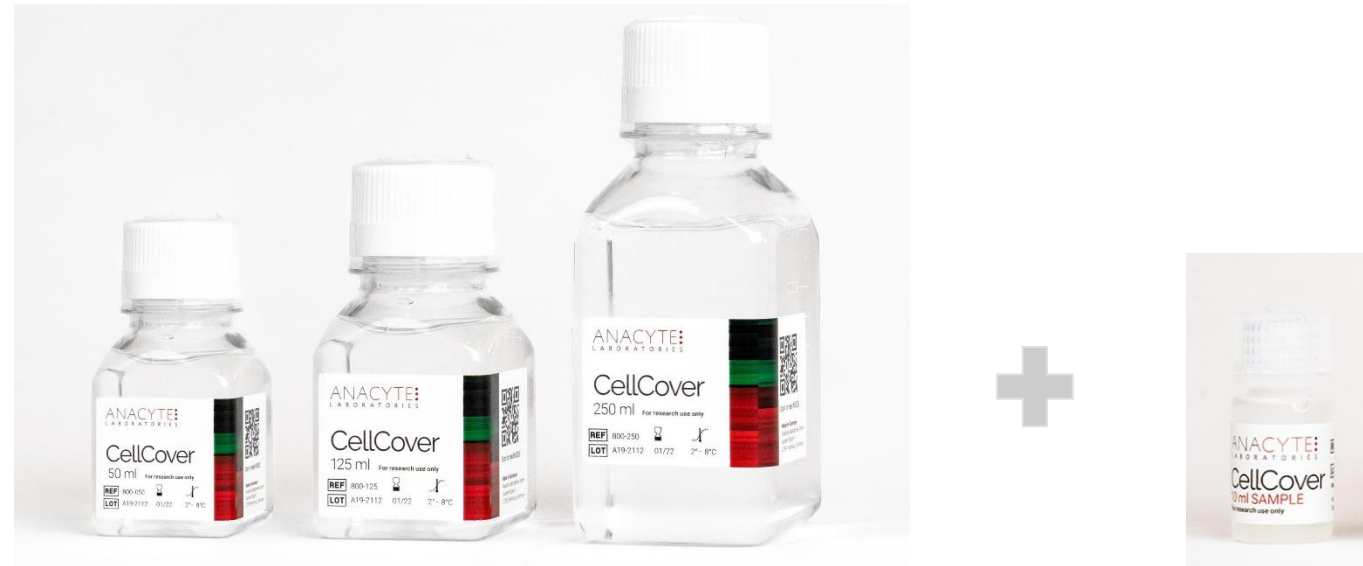
Corporate form	Anacyte Laboratories GmbH
Founded	2019
Headquarter	Hamburg
Production	Hamburg
Product	CellCover
Domain	www.anacyte.com

Our Mission – Furthering Downstream Applications

Our passion for molecules drives us to improve our products continuously. In collaboration with partners and customers Anacyte Laboratories concentrates on development of integrative multi analytic tools.

1 CellCover

Ready to use, non-toxic solution for complete protecting of RNA, DNA and protein and the cellular shape integrity in human and animal solid tissues, including tumors, white blood cells and cultured cells (adherent, suspension, spheroids).

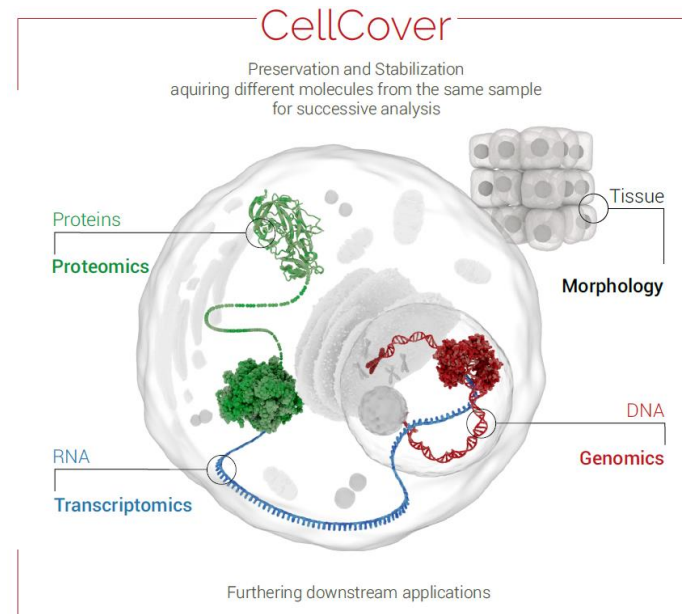


Position	Item#	Description	Quantity
1	800-050	CellCover 50ml	1
2	800-125	CellCover 125ml	1
3	800-250	CellCover 250ml	1

**Sample
10ml**

2 CellCover

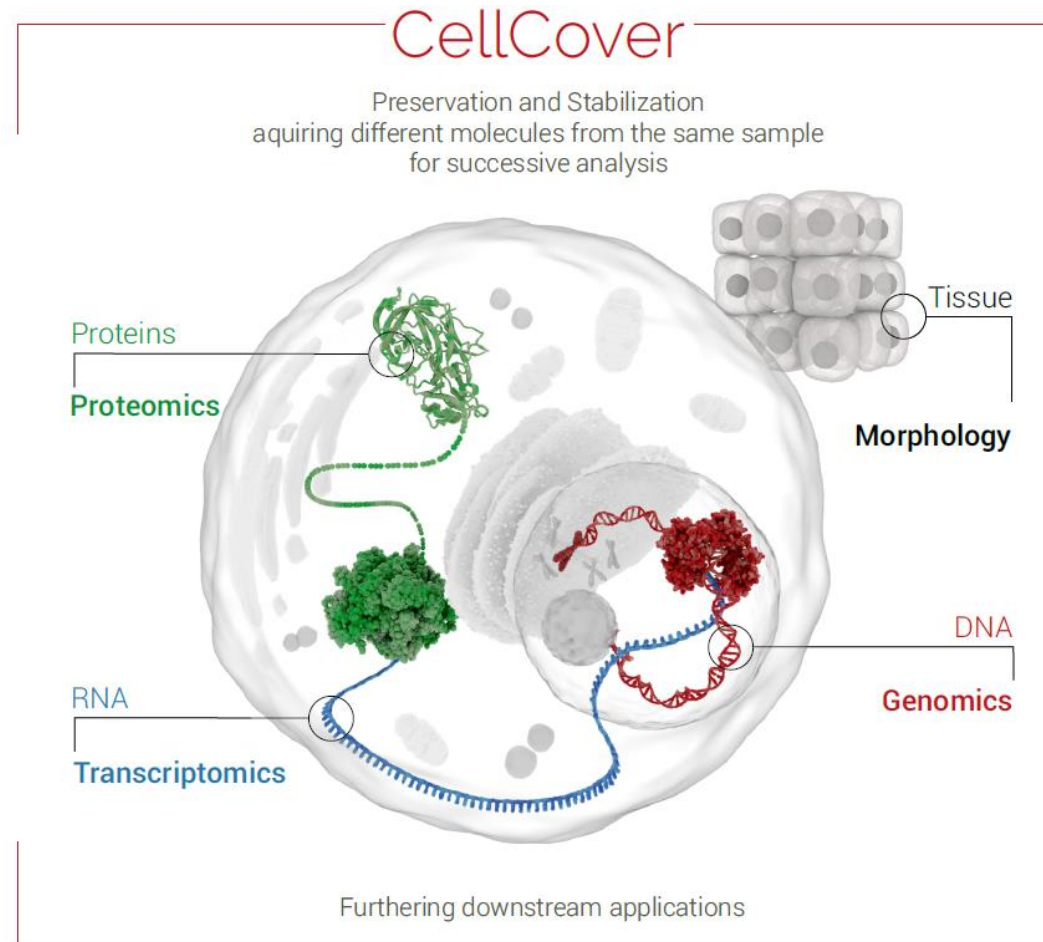
CellCover is the only reagent that allows parallel storage of proteins, RNA, and DNA in their cellular context, maintaining cellular shape integrity without chemical crosslinking.



Furthering downstream applications:

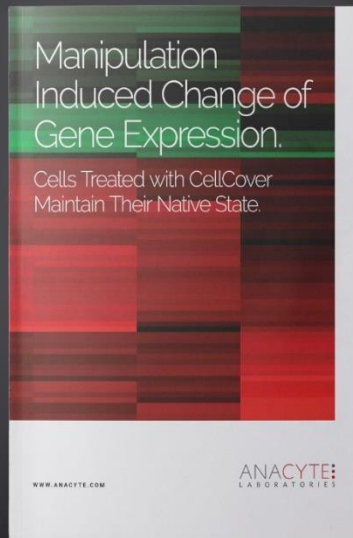
- Batch and single cell analysis
- Flow cytometry/ FACS
- Immunocytochemistry
- Immunohistochemistry
- FISH
- Microarray
- NGS
- PCR
- RNA, Protein (DNA) Isolation & Sequencing
- Western Blot
- ... and many others

3 CellCover – Unique Benefits



Cells Treated with CellCover Maintain Their Native State.

4 CellCover – Mission



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.

www.anacyte.com/shop

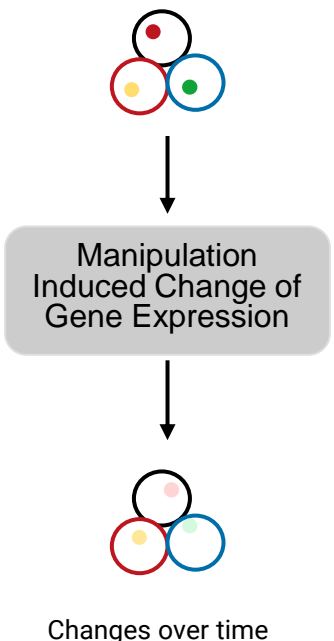
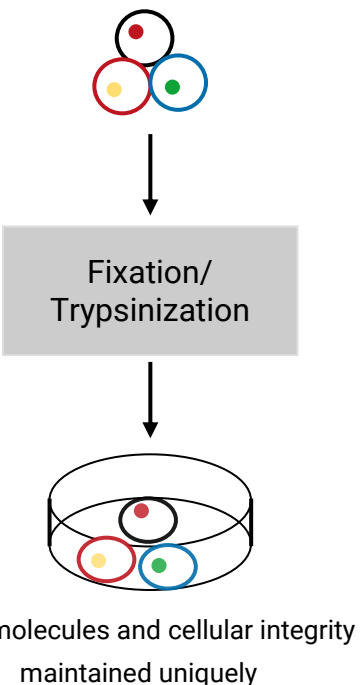


Possible downstream applications:

- 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: contact@anacyte.com

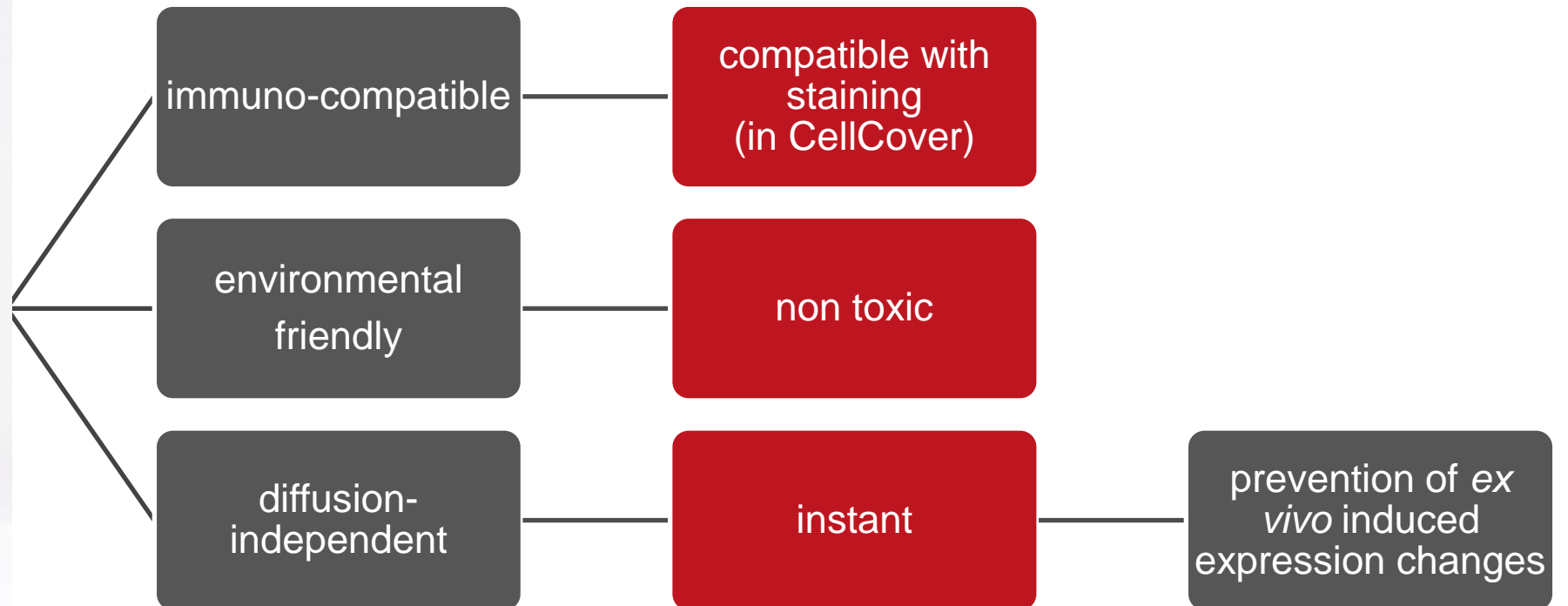
4 Manipulation Induced Change of Gene Expression – Basic Model of Effect Mechanism

Cell culture without fixation	Rapid gene expression change in cell culture?	Cell culture fixated by CellCover
 <p>Changes over time</p>	<p>Needed prevention of manipulation induced changes by:</p> <ul style="list-style-type: none">• Trypsinization• Air pressure• Temperature change• Growth factor removal• CO2 concentration• Incubator• etc. <p>The moment you interact with your cells, the clock starts ticking.</p>	 <p>All biomolecules and cellular integrity maintained uniquely</p>

Maintain their native state allows the identification/ clear allocation to a certain cell.

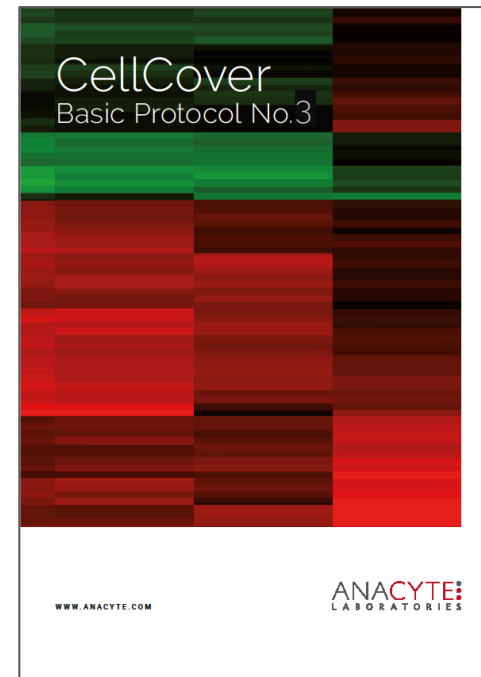
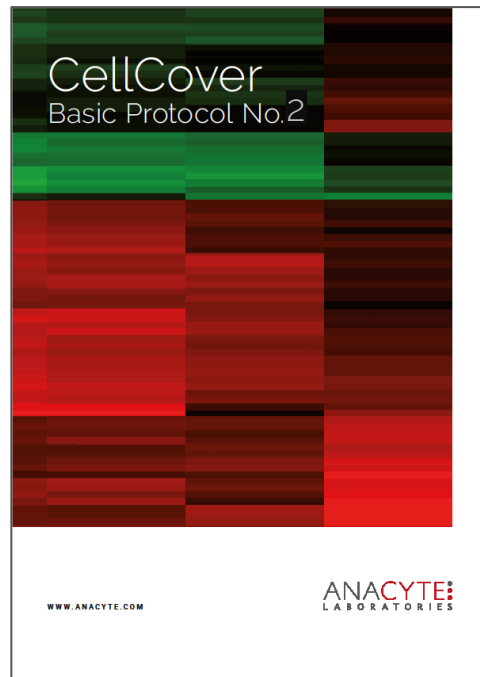
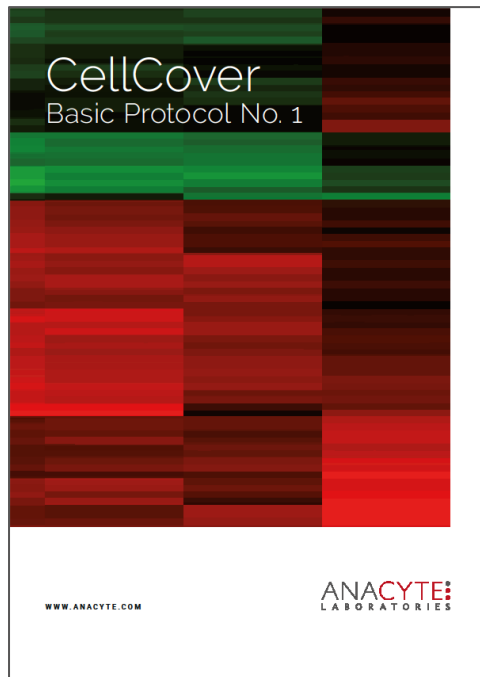
4 CellCover – Characteristic Advantages

Furthering downstream applications.

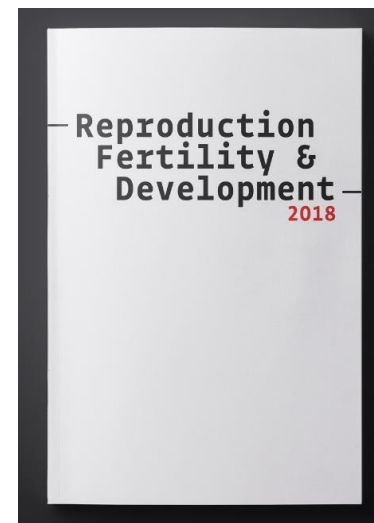
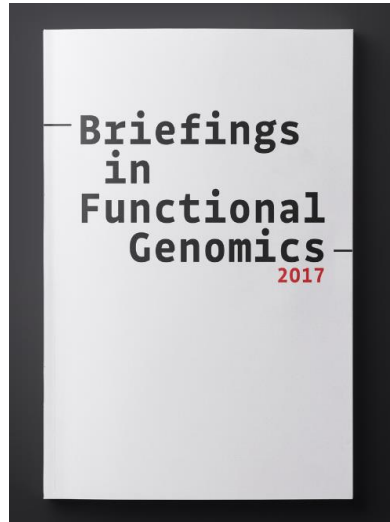


5 CellCover – Protocols

- 3 Basic Protocols
- 1 Special Protocol - Trypsinization



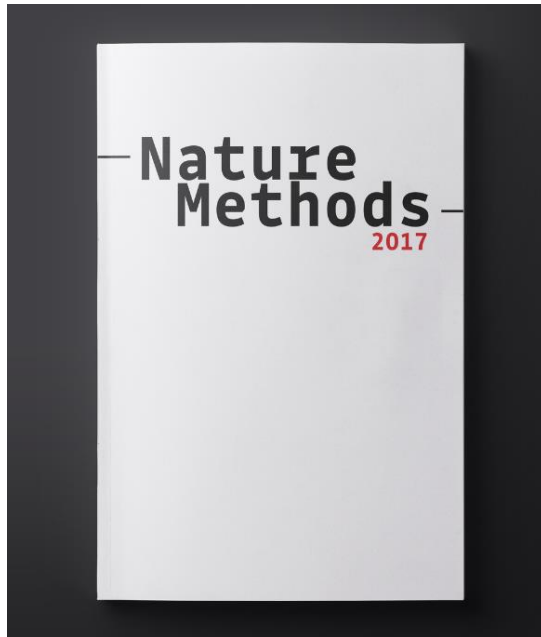
6 CellCover – Research Publications



6 CellCover – Single Cell Sequencing

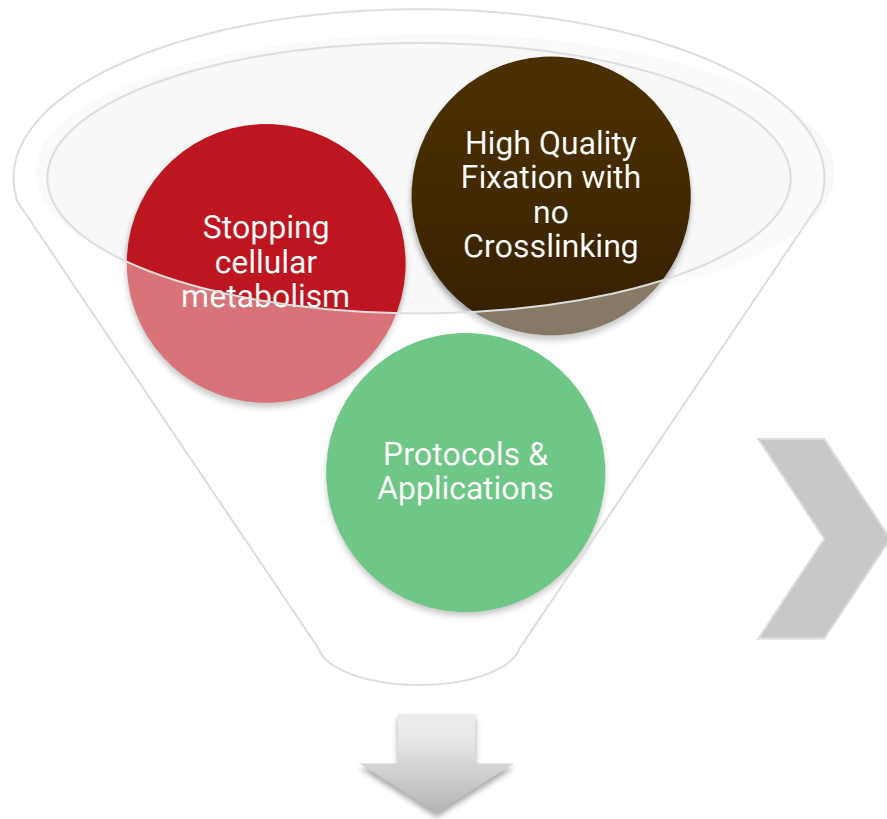
Single Cell Sequencing

- Todd M Gierahn et al. published 2017 in Nature Methods a new protocol about Single-cell RNA-seq.
- Authors established a method called “Seq-Well” which could be a portable low-cost platform for massively parallel single-cell RNA-seq.
- CellCover is a basic RNA stabilization reagent for using methods of single cell sequencing without chemical crosslinking or freezing.



Reference: “Seq-Well: portable, low-cost RNAsequencing of single cells at highthroughput”,
by Todd M Gierahn, Marc H Wadsworth II, Travis K Hughes, Bryan D Bryson, Andrew Butler, Rahul Satija, Sarah Fortune, J
Christopher Love & Alex K Shalek, Nature Methods 2017, PMID: 28192419

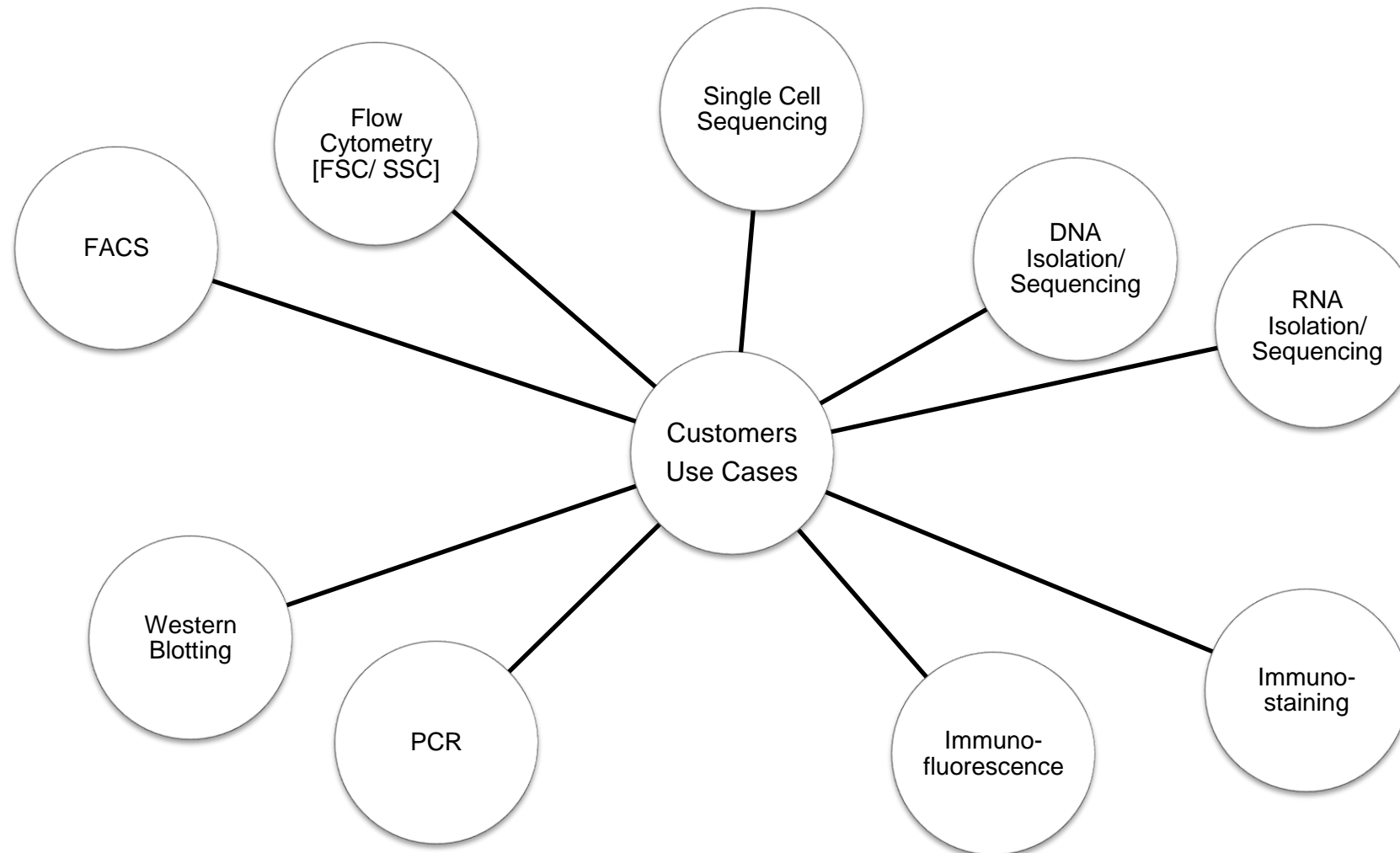
7 CellCover – Use Cases



Wide Field of Applications



7 Reviews: Customers' Use Cases



7 Reviews: What Our Customers Are Saying



- › ***„CellCover preserved nucleic acids of cells underwent immunofluorescence staining and imaging. Cell fixation with CellCover preserved more nucleic acids compared to formaldehyde and methanol fixation for our microscopy experiments.“***
D. Wu, Diagnostics Company in US, Cancer Immunology
- › ***“We wanted to collect clear RNA from Neutrophil which has low RNA and short survival. After collecting Neutrophils, we fixed with cellcover immdiatly. It was good for collecting quality of RNA because it can use for RNA sequences.”***
Jun Takai, Tohoku Medical and Pharmaceutical University, Division of Medical Biochemistry
- › ***“I prefer CellCover to other fixatives such as PFA as it does not require a wash to remove. We are also able to extract more RNA per cell when compared to other fixation methods.”***
Josh, Diagnostics Company in US, Oncology
- › ***“Since the cells are fixed, we do not always have to perform quickly for staining with antibody, FACS, and RNA extraction after collecting cells. In other words, it is good for starting our experiment at our convenience.”***
Yuki Sato, Kyushu University - Graduate School of Medical Sciences, Department of Anatomy and Cell Biology
- › ***“Mostly I used CellCover for sorting of brain microgrial cell and neuron. Regarding CellCover, recently one paper came out from our laboratory where I used CellCover.”***
Choudhry Emamussalehin, Ehime University - Graduate School of Medicine, Molecular and Cellular Physiology

Furthering downstream applications

Thank you!



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