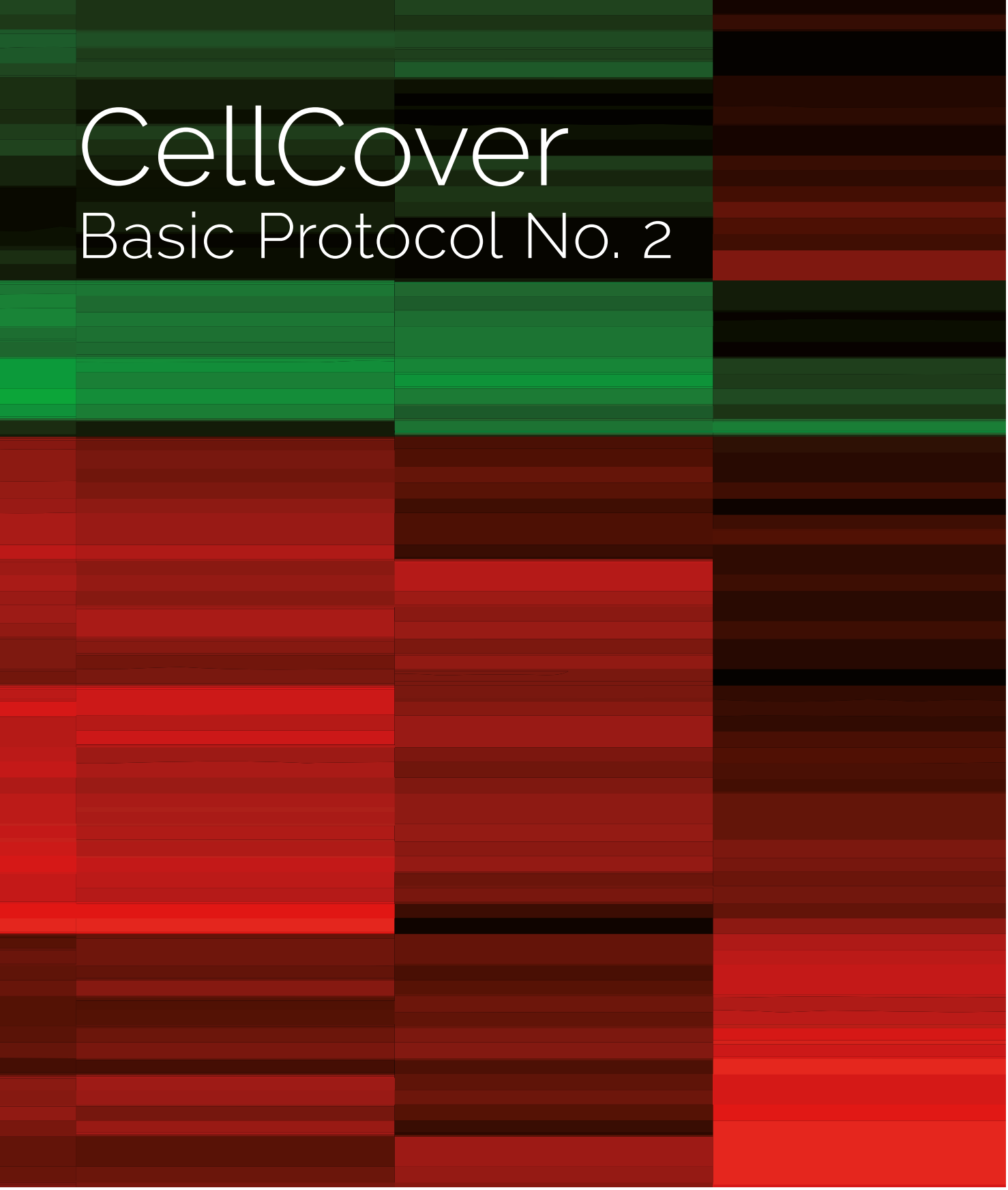
CellCover
Basic Protocol No. 2



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CellCover exerts its stabilizing effect very fast. DNA, RNA, protein stay in place in a close to native condition, without crosslinking activity! Harsh treatments with alcohol, acetone or even formaldehyde can be avoided.

Basic immuno-staining protocol for suspension cells:

1. **Harvest cells by centrifugation**

2. **Remove supernatant**

3. **Flick tube to suspend cells in residual medium**

4. **Add CellCover (5 to 10x volumes) and store at 4°C until use**

5. **Pellet cells and remove SN**
   Some cells might need higher centrifugation speed for pelleting.

6. **Proceed to standard staining protocols, e.g. immunostaining**
   If RNA is to be isolated for downstream application, you can stain cells by using CellCover as antibody diluent and washing buffer.

Possible downstream applications:

- **Flow cytometric sorting**
- **Batch / single cell transcriptome analyses**
- **Single cell sequencing**
  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

For questions concerning experimental strategies and special applications of Anacyte´s products, please contact our support:

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