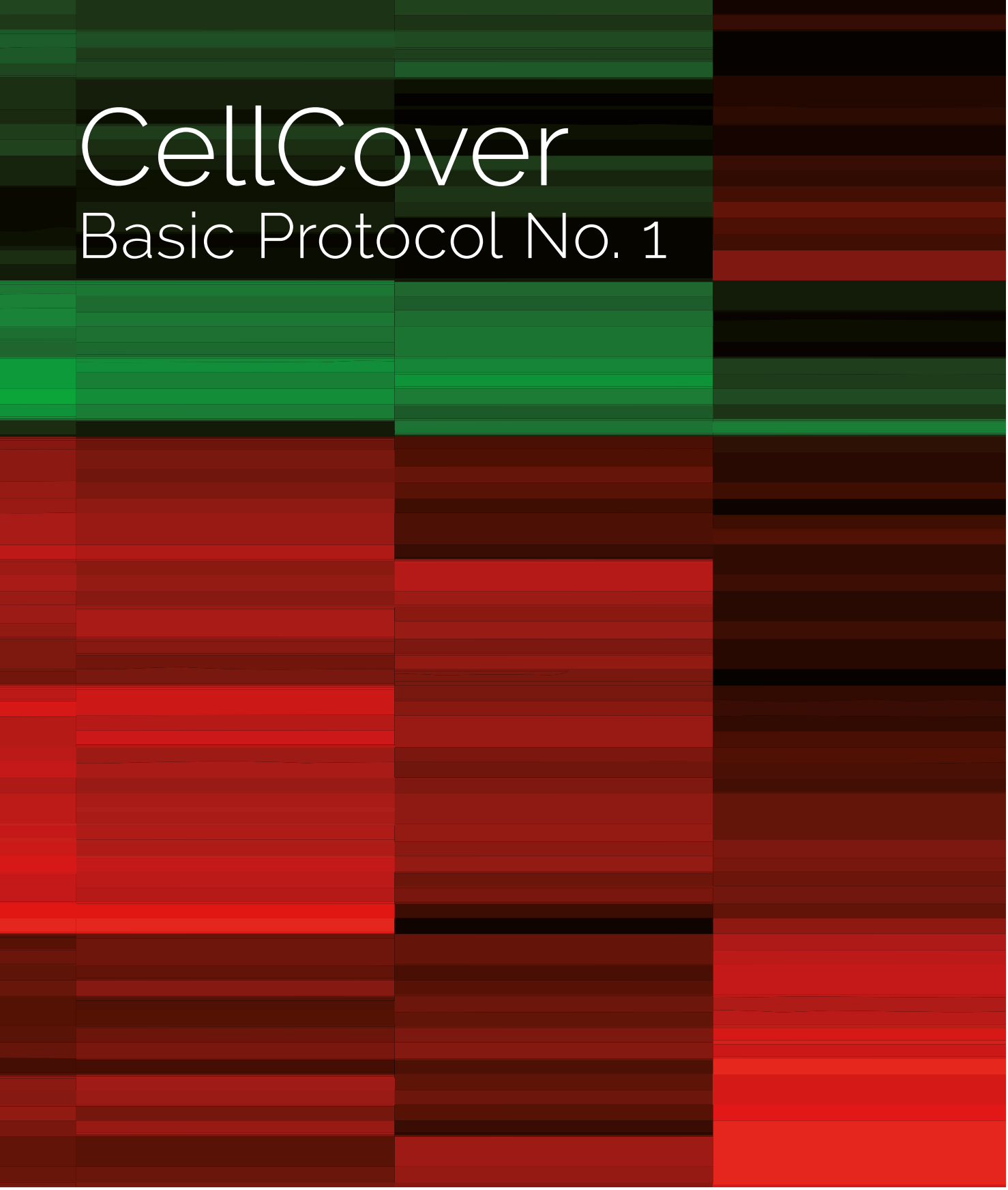
CellCover
Basic Protocol No. 1



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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 protocol for adherent cultured cells:

1. **Seed and grow cells on chamber slides**
2. **Remove medium**
3. **Wash cells 1x with PBS or CellCover**
4. **Place slide in CellCover and store at 4°C until use**
5. **Proceed to staining protocol according to experimental design, 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.

Note: Attachment of cells to the substrate is critical. CellCover does not have crosslinking properties. If you work with cells just loosely attaching to the slide, cells might float off the substrate. You can try following workarounds:

- **Coat substrate, best coating must be found experimentally**
- **Dip in H2O, drain slide and dry sample**

Possible downstream applications:

- **Laser capture microscopy**
- **ISH: in situ hybridization (RNA as well as DNA FISH and CISH!)**
- **Batch/ single cell transcriptome analysis**

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

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