Table 4: Buffer compositions.

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| --- | --- |
| **Buffer** | **Composition** |
| Fixative solution | 4% (wt/vol) paraformaldehyde and 4% sucrose in 1X PBS  |
| Permeabilization buffer | 0.25% (vol/vol) Triton-X100 in PBS |
| Regular blocking buffer | 5% (wt/vol) bovine serum albumin (BSA) in PBS |
| Nuclear blocking buffer | 5% (wt/vol) bovine serum albumin (BSA) +1 mg/mL salmon sperm DNA in PBS |
| RNase solution | 50 μg/mL RNase A and 230 U/mL RNase T1 in 1X PBS |
| Wash buffer | 0.01X PBS |
| Imaging buffer | 500mM NaCl in 1X PBS, pH8 |