

Materials List for

# Optimized Nuclei Isolation from Fresh and Frozen Solid Tumor Specimens for Multiome Sequencing

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## Materials

| Name  | Company                 | Catalog Number  | Comments |
|---|-------------------------|-----------------|----------|
| 100, 70, and 40 µm Falcon cell strainers          | ThermoFisher            |                 |          |
| 10x Genomics Nuclei Buffer (20x)                  | 10x Genomics            | 2000153/2000207 |          |
| Bambanker   | Wako, Fisher Scientific | NC9582225       |          |
| BSA   | Miltenyi Biotec         | 130-091-376     |          |
| Calcium Chloride                                  | Sigma Aldrich           | 499609          |          |
| Collagenase (Collagenase Type IV)                 | ThermoFisher            | 17104019        |          |
| Digitonin   | Thermo Fisher           | BN2006          |          |
| DNase I   | Worthington             | LS006330        |          |
| DTT   | Sigma Aldrich           | 646563          |          |
| Dulbecco's Modified Eagle Medium F-12             | Thermo Fisher           | 11320082        |          |
| Fetal Bovine Serum                                | Thermo Fisher           | 10438026        |          |
| Flowmi 40 µm Pipette Tip Cell Strainer            | Sigma Aldrich           | BAH136800040    |          |
| HEPES   | Sigma Aldrich           | H3375           |          |
| Histopaque-1119 Gradient Cell Separation solution | Sigma Aldrich           | 11191           |          |
| Medium 199  | Sigma Aldrich           | M2520           |          |
| MgCl <sub>2</sub>                                 | Sigma Aldrich           | M1028           |          |
| Miltenyi GentleMACSTM digest kit                  |                         |                 |          |
| NaCl  | Sigma Aldrich           | 59222C          |          |
| Nalgene Cryo "Mr. Frosty" Freezing Container      | ThermoFisher            | 5100-0001       |          |
| Nonident P40 Substitute                           | Sigma Aldrich           | 74385           |          |
| Poloxamer 188                                     | Sigma                   | P5556           |          |
| Rnase inhibitor                                   | Sigma Aldrich           | 3335399001      |          |
| Tris-HCl  | Sigma Aldrich           | T2194           |          |

|          |               |       |  |
|----------|---------------|-------|--|
| Tween-20 | Thermo Fisher | 85113 |  |
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