





# Chromium™ Genome Protocol

## Time Planner

|   | Bench Time <sup>§</sup>  | Instrumentation Time                    | Stop & Store Options  |
|---|--|---|---|
| Genome Protocol - Day 1                     | gDNA Extraction<br>1 - 1.5 h   |   |  4°C ≤2 weeks or -20°C ≤6 months |
|   | 1 h<br>Input gDNA Quantification & Dilution ~ 1.5 h<br>1 - 2 h (8 samples)                             |   |   |
|   | 2 h<br>Denaturation & Master Mix - 10 min<br>Loading Genome Chip - 5 min                               |   |   |
|   | Transferring GEMs - 2 min  | GEM Generation - 22 min                 |   |
|   | 3 h  |   |   |
|   | 4 h  |   | GEM Isothermal Incubation - 3 h   |
|   | 5 h  |   |   |
| 6 h<br>Cleanup - Silane Beads - 45 min      |  |   |   |
| 7 h<br>Cleanup - SPRIselect - 15 min<br>QC* |  |   |  4°C ≤72 h or -20°C ≤2 weeks   |
| Day 2                                       | 1 h<br>End Repair & A-tailing Prep - 5 min   | End Repair & A-tailing Incubation - 1 h |   |
|   | 2 h<br>Adaptor Ligation Prep - 5 min<br>Cleanup - SPRIselect - 15 min<br>Sample Index PCR Prep - 5 min | Adaptor Ligation Incubation - 15 min    |   |
|   | 3 h<br>Cleanup - SPRIselect - 25 min<br>QC & qPCR Quantification*                                      | Sample Index PCR - 25 min               |  4°C ≤72 h                     |
|   |  |   |  4°C ≤72 h or -20°C long-term  |

<sup>§</sup>Estimates including hands-on & benchtop incubation times. \*Bioanalyzer/TapeStation QC & qPCR Quantification times not included