## 10x Chromium Cell Suspension Sample QC

|                             | Date and Time Received:                               |  |                              |                      |   |   |          |  |
|-----------------------------|---|--|------------------------------|----------------------|---|---|----------|--|
|                             |   |  |                              |                      | Submitter and                             | PI/Lab:   |          |  |
|                             |   |  |                              |                      | Project ID:                               |   |          |  |
| RTSF Ge                     | nomics Co   | re Summary   | •                            |                      |   |   |          |  |
| Tube Label                  | Cell Conc.<br>(Cells/µl)                              | Percent<br>Viability (%)                                       | Percent<br>Aggregates<br>(%) | Target Cell #        | Volume Water<br>for Library<br>Input (µl) | Volume Cell<br>Suspension for<br>Library Input (µl)                       |          |  |
|                             |   |  |                              |                      |   |   |          |  |
| *A corner sq<br>**Trypan Bl | uare is outlined<br>ue staining add<br>and gently mix | d in red in the her<br>ls a factor of 2X.<br>x cell suspension | up and down                  | counting chambe      |   | ity staining.  Aliquot 12μl of cells                                      | s into a |  |
| wide-bore pi                | pet tip (P200).                                       |  | or 5 minutes a               | nd again mix ger     | ntly pipetting up a                       | nix the dyed cells 5X<br>nd down with a wide                              |          |  |
| Clean he counting cha       |   | and cover slip w   | ith 70% ethand               | ol and wipe dry v    | with lens paper. Po                       | osition the cover slip  | over the |  |
|                             |   | Blue stained cel<br>p. The area unde                           |                              |                      |   | meter via the V-shap  | ed well  |  |
|                             | emocytometer over, if required                        |  | age and focus                | with low magnif      | ication (10X obje                         | ctive) first before inc   | reasing  |  |
| the non-viable              |   | stained), and any  |                              |                      |   | cells (viable + non-vi<br>appear closely associ                           |          |  |
| If cell viabili             | ty is <90% filte                                      | er cell suspension   | n with a Flown               | ni filter to help re | emove dead cells                          | r, and the percent agg<br>and cell debris and re<br>to determine input vo | peat the |  |
| while the san               | nple is in the ti                                     |  | to a Flowmi ti               | p strainer (this sl  | nould take a force                        | aspirating the sample, equivalent to the atta                             |          |  |

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