**PRE-DEMO QUESTIONNAIRE**

PDQ GOALS:

* Understand customer *needs.*
* *Set the right expectations,* explain the *system trade-offs.*
* *Select 1-3 key, proof-of-concept experiments.* ***See SOW for proposed 1-day schedule.*** *It is usually best to plan around 2 hrs per experiment.*
* *Understand the experimental design (sample preparation, concentration, fluorescent reagents, timing!) and the customer workflow.*
* *Understand the customer criteria for successful results from demonstration. Avoid experimental goals. A demo is a proof concept, preferably for established workflows.*

Date: MM/DD/YYYY

Proposed Demo date: MM/DD/YYYY

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Customer |  | | | | | Role | |  | |
| Institution |  | | | | | | | | |
| **CUSTOMER PROFILE:** | | | | | | | | | |
| Demo goal |  | | | | | | | | |
| Prior sorting experience |  | | | | | | | | |
| “Pain Point”  *Reason for the demo* | Cell viability  Flexibility  Biosafety  Instrument availability  Price  Other: | | | | | | | | |
| **SORTING INPUT INFORMATION:** | | | | | | | | | |
| **Sample:** *Please provide as much information about your sample as possible. Sample and sheath fluid*  *can be medium, HBSS, PBS or similar. Samples should be filtered through a 40μm mesh.* | | | | | | | | | |
| Sample type & origin |  | | | | | | | | |
| Cell size range | \_\_\_\_ – \_\_\_\_ µm | | | | | | | | |
| Additional information | Fragile  Sticky  Other | | | | | | | | |
| Pre-enrichment method, if any |  | | | | | | | | |
| Downstream assay |  | | | | | | | | |
| **SORTING SET-UP:** | | | | | | | | | |
| Sample buffer |  | | | | | | | | |
| Sheath buffer |  | | | | | | | | |
| Input Cell Concentration |  | | | | *We recommend using:*   * *250,000-500,000 cells/mL (Bulk sorting)* * *100,000 cells/mL (Single cell)* | | | | |
| Fluorescent Labels:  *Please provide fluorophore/dye (FITC, PE, etc.), and marker (dead, CD3, etc.)* | **488 nm (blue) laser** | | | | **673 nm (red) laser** | | | | |
| Filter | Marker | Color | | Filter | | Marker | | Color |
| 525/50 |  |  | |  | |  | |  |
| 575/40 |  |  | |  | |  | |  |
| 609/34 |  |  | |  | |  | |  |
| 706/95 |  |  | | 706/95 | |  | |  |
| 760LP |  |  | | 760LP | |  | |  |
| ***Preparation of control samples:*** *For single color staining, please prepare unstained control*  *For double+ staining, please prepare unstained control and single stained samples for each color* | | | | | | | | | |
| Unstained control | Yes  No | | | | | | | | |
| Single-stain controls  *(list all that apply)* |  | | | | | | | | |
| **SORT DETAILS:** | | | | | | | | | |
| Type of Sorting | Bulk  Single Cell (96 well)  Single Cell (384 well) | | | | | | | | |
| Target gating strategy |  | | | | | | | | |
| Target estimate (%) |  | | | Number of samples | | | |  | |
| Number of Plates/Cells Desired |  | | | | | | | | |
| **SUCCESS METRICS:** | | | | | | | | | |
| Confirmation method |  | | | | | | | | |
| **Measurable goal/ Success determinant** |  | | | | | | | | |

**488/637 nm configuration**

**Graphical user interface, text, application, email

Description automatically generated**