**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 |
| Cell information |  |
| 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** | **561 nm (yellow-green) laser** |
| Filter | Marker | Color | Filter | Marker | Color |
| 525/50 |  |  |  |  |  |
| 580/25 |  |  | 580/25 |  |  |
| 620/50 |  |  | 620/50 |  |  |
| 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** |  |

**488/561 nm configuration**

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