Sort Request Form

**Time requesting**

Day Requesting: Click or tap to enter a date.

Start Time: Click or tap here to enter text. Stop Time: Click or tap here to enter text.

**Person who will be sorting**

Name: Click or tap here to enter text.

E-mail: Click or tap here to enter text. Phone: Click or tap here to enter text.

**Samples**

Sample Species: Click or tap here to enter text. Sample Tissue Type: Click or tap here to enter text.

Infected? [ ] No [ ] Yes If so, with what? Click or tap here to enter text.

What is your approved Sample Types form number: Click or tap here to enter text.

**Cell Numbers and Target Populations**

How many sample will you bring? Click or tap here to enter text.

Cells per sample? Click or tap here to enter text.

What % of total cells is your target population? Click or tap here to enter text.

**Sort Conditions**

Which of the following collection device(s) will you need? (check all that apply)

[ ]  2-way (15ml conical tube) [ ]  4-way (Eppendorf or 5ml tubes) [ ]  96-well plate [ ]  slide

Do you require the sorted sample to be at 4C? [ ]  No [ ]  Yes

Do you require the an aseptic sort start-up? [ ]  No [ ]  Yes

Are you sorting for downstream Genomics processing? [ ]  No [ ]  Yes

**Flow Core Configuration and your staining panel**

The NSU Flow Core also has their configurations loaded on FluoroFinder. Register and design a panel that will work on the core’s cytometers.



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| NSU Flow Cytometry Core Configuration |
| Laser | Conjugate | Check if using: | AB+Fluorophore |
| Blue (488) | SSC |   |   |
| FITC, AF488, GFP, CFSE | [ ]   |   |
| PerCP 5.5, PerCP-eFluor710, PECy5.5 | [ ]   |   |
| Green (532) | PE, AF555, PI | [ ]   |   |
| PE-TR, ECD, PE-CF594, TdTomato |   [ ]  |   |
| PECy7 |   [ ]  |   |
| Red (649) | APC, AF647, eFluor660 | [ ]   |   |
| AF700 | [ ]   |   |
| APCCY7, APCH7, AF750, APC-AF750, APC-eFluor680 | [ ]   |   |
| Violet (405) | Pacific Blue, V450, BV421, eFluor450 | [ ]   |   |
| AmCyan, V500, Vivid, BV510 |  [ ]  |   |
| BV605, Q605,eFluor605 | [ ]   |   |
| BV650, Q655, eFluor650 | [ ]   |   |
| BV711 | [ ]   |   |
| BV786 | [ ]   |   |
| UV (355) | BUV395 | [ ]   |   |
| BUV496 |   [ ]  |   |
| BUV737 | [ ]   |   |
| BUV805 | [ ]   |   |

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|   | **Current NSU X-20 and AriaFusion Configuration** |   |
| Laser | Conjugate | Band Pass Filter | Long Pass Filter | Detector Location |
| Blue (488) | SSC | 488/10 |   | C |
| FITC, AF488, GFP, CFSE | 530/30 | 550 | B |
| PerCP 5.5, PerCP-eFluor710, PE-CY5.5 | 710/50 | 695 | A |
| Green (532) | PE, AF555, PI | 576/26 |   | C |
| PE-TR, ECD, PE-CF594, TdTomato | 610/20 | 595 | B |
| PECy7 | 780/60 | 750 | A |
| Red (637) | APC, AF647, eFluor660 | 670/30 |   | C |
| AF700 | 730/45 | 710 | B |
| APCCY7, APCH7, AF750, APC-AF750, APC-eFluor680 | 780/60 | 750 | A |
| Violet (405) | Pacific Blue, V450, BV421, eFluor450 | 450/50 |   | F |
| AmCyan, V500, Vivid, BV510 | 525/50 | 495 | E |
| BV605, Q605,eFluor605 | 610/20 | 595 | D |
| BV650, Q655, eFluor650 | 670/30 | 635 | C |
| BV711 | 710/50 | 690 | B |
| BV786 | 780/60 | 750 | A |
| UV (355) | BUV396 | 379/28 |   | D |
| BUV496 | 515/30 | 450 | C |
| BUV737 | 740/35 | 690 | B |
| BUV805 | 820/60 | 770 | A |
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