Sorting Request Form

All BSL 2 specimens, including human derived materials, must have IBC approval. ☐ YES 2. Have your cells been approved by the Penn State IBC?

NO If yes, Approval Form # for these cells: 3. Were these same cells previously approved by Flow Cytometry Facility for sorting? □ **NO** Attach IBC form(s), if required, and continue to complete the form. ☐ **YES** Date: Any changes? \square **Y** \square **N** (New risk agent require proper approval) 4. Cell type and Cell Diameter: ☐ Animal ☐ Human ☐ Microbe ☐ Plant ☐ Other(please list) 5. Name (species, strain, etc.): ☐ Primary (if cultured, list # of days): Origin (i.e., marrow, blood, tissue type)? ☐ Cell Line. ATCC/DSMZ number(s): 6. Potential infectious agents associated with the material (mark all that apply): □Fungi □Parasite □Rickettsia □Other: □Bacteria □Virus Describe: 7. Recombinant agents associated with material (retrovirus, lentivirus, replication competent/defective, tropism, oncogenes, etc.) and recombinant construct used [include name]: 8. Please provide the following when submitting this sorting form a. Sample Preparation Protocol b. Staining Protocol 9. **Compliance**: Your signature below indicates your compliance with the following: You are in agreement to follow all biosafety protocols associated with your work in the Flow Cytometry Facility. This may include: Environmental Health & Safety courses Biosafety 101 and Blood Borne Pathogen (re)training. You ensure that all work completed with this sample material, including its collection, manipulation, and transport, is in accordance with all Penn State and federal guidelines appropriate for this material and have been approved by the Penn State Institutional Biosafety Committee (IBC). You assure that this form accurately reflects all identities and hazards involving biohazardous material(s). Signature of User and Principal Investigator verifying review and accuracy of the above answers: Signature (PI) Signature (User) (Required of each time sample is submitted) (Required with first submission of this sample type) Cost Center to charge: Facility use only: Approved by: Date: BSL Level for sorting:

03/2023

11. Collection Media: FBS / PBS / Other

UV	Laser 355	Band	Fluoroch			y. (Contact the		
UV	355		Tidorocii	rome		Target	Note	es/ Gating
UV		448/59						
	355	620/29						
	355	692/75						
Violet	405	448/59						
	405	546/20						
Blue	488	513/26						
	488	576/21						
	488	620/29						
	488	664/22						
	488	710/45						
	488	795/70						
Green	532	576/21						
	532	622/22						
	532	664/22						
	532	692/18						
	532	736/47						
Red	640	671/30						
	640	722/44						
	640	795/70						
ll nonulati	iono to cor	(aallaat) fra	m the comp	do (un t	o 6 oub pa	pulations from	s acab cam	anlo)
	Population		% of total		collect	Theoretical #		Markers/Phenotype
1	opulation	טו	78 OI total	# 10 0	Julieut	THEOTERICAL F	+ Heeueu	Markers/Friendtype
2								
3								
4								
the most	t accurate.	and recomm			ou need to	start with: *Po	ost staining	and post filtering cell
		time for eachber / Flow ra			flow rate f	or medium sor	t is 6,000/s	sec, slow sort is 2,000

03/2023 2