


LASER REGISTRATION FORM (LS-1)

LASER REGISTRATION FORM (LS-1)		Laser Ref. No:	0002
<p>Policy Note: This form is to be completed and a copy sent to the Departmental Laser Supervisor, for all lasers except inherently safe Class 1 lasers (e.g. laser printers, CD players etc) and laser pointers below Class 3.</p>			
1. Overview			
Department:	NDCLS	Room Number/ Location:	4A10A
Name of Research Supervisor:	Shijie Cai	Name of Departmental Laser Supervisor:	Shijie Cai
Supervisor Signature:			
Date:	22/07/2022	Date:	22/07/2022
2. Outline the project and general use or need for a laser:	BD FACSCalibur flow cytometer		
3. Detail the specifications of <u>all</u> Laser(s) involved in the system:			
Make:	Becton Dickinson	Becton Dickinson	
Model:	FACSCalibur	FACSCalibur	
Serial no:	G3148	G3148	
Wavelengths/ Bands:	488nm	635nm	
Maximum output power:	15mW	10mW	
Beam diameter:	22x66µm	15x61µm	
Beam divergence:	Elliptica	Elliptica	
CW or Pulse repetition rate:	CW	CW	
CW or Pulse length:	CW	CW	
Classification:	IIIb (Class I by design)	IIIb (Class I by design)	
MPE – Eye (If known):	N/K	N/K	
MPE – Skin (If known):	N/K	N/K	
Nominal Ocular Hazard Distance (If known):	N/K	N/K	
4. Describe the laser arrangements (or detail within the accompanying risk assessment)			
<p>The Laser: Air-cooled argon-ion laser of modular design all enclosed</p> <p>Beam Delivery: Internal fixed optical platform</p> <p>Process: Fluorescence flow cytometry</p> <p>Environment: Limited access room</p>			