SOP-P051

Amgen Screening Project – Dye Preparations

Objective: To prepare JC1 and Redox staining solutions for staining HL60's for the Hypercyt/Cyan Screening.

Procedure: JC-1 Dye, quantity for preparing ONE 384 well plate.	
1. Stock concentration for JC1 is 5mM in DMSO	
2. Ratio: 1ul of stock / 1ml of PBS with 0.1%BSA	
3. Thaw one (9ul) aliquot vial of JC1 from freeze. Add this to 9mls o Mix well.	f PBSw/0.1% BSA.
Procedure: Redox Dye, quantity for preparing <u>ONE</u> 384 well plate.	
1. Stock concentration solution for calceinAM: mBBr: Mito-sox: 1 mM. in DMSC 40 mM in DMS 50ug	
2. Mito-sox: To each of two vials of mitosox, add 6.58ul of DMSO, N	Mix well.
3. mBBr: Take one (9ul) aliquoted vial out of freezer and thaw.	
4 CalceinAM: ADD 1ul of stock to 30mls of the PBS /0.1% BSA, N	Mix well
5. Transfer 9mls of this solution into a 15cc conical tube	
6. To this tube, add 9ul of Mito-sox and 9ul of mBBr.	SOP-P095: Tube prep for the
7. This solution is referred to as the Redox Staining Solution.	Redox and JC1 Dyes On Back of Sheet
Created by: Cheryl Holdman	
Verified by:Date:	

Print Name

Sign Name