

### Dyes to Prepare for Students:

A: 2mL -6M Fluorescein      B: 1mL -5M Fluorescein      C: 1mL -4M Fluorescein  
D: 2mL -5M Rhodamine      E: 1mL -4M Rhodamine      F: 1mL -3M Rhodamine

### Tube rack

A	B	C	D	E	F				
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10

## Student 1 Protocol

Transfer	To
1. 200uL Tube Rack/A	96-well plate/A1.
2. 125uL Tube Rack/A 125uL H2O Vortex. 200uL Tube Rack/1	Tube Rack/1. Tube Rack/1. 96-well plate/A2.
3. 10uL Tube Rack/B 390uL H2O Vortex. 200uL Tube Rack/2	Tube Rack/2 Tube Rack/2. 96-well plate/A3.
4. 5uL Tube Rack/B 395uL H2O Vortex. 200uL Tube Rack/3	Tube Rack/3 Tube Rack/3. 96-well plate/A4.
5. 0.5uL Tube Rack/C 800uL H2O Vortex. 200uL Tube Rack/4	Tube Rack/4 Tube Rack/4. 96-well plate/A5.
6. 25uL Tube Rack/B 225uL H2O Vortex. 200uL Tube Rack/5	Tube Rack/5 Tube Rack/5. 96-well plate/A6.
7. 200uL Tube Rack/D	96-well plate/A7.
8. 125uL Tube Rack/D 125uL H2O Vortex. 200uL Tube Rack/6	Tube Rack/6. Tube Rack/6. 96-well plate/A8.
9. 10uL Tube Rack/E 390uL H2O Vortex. 200uL Tube Rack/7	Tube Rack/7 Tube Rack/7. 96-well plate/A9.

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|-----------------------|--------------------|
| 10. 5uL Tube Rack/E   | Tube Rack/8        |
| 395uL H2O             | Tube Rack/8.       |
| Vortex.               |                    |
| 200uL Tube Rack/8     | 96-well plate/A10. |
| <br>                  |                    |
| 11. 0.5uL Tube Rack/F | Tube Rack/9        |
| 800uL H2O             | Tube Rack/9.       |
| Vortex.               |                    |
| 200uL Tube Rack/9     | 96-well plate/A11. |
| <br>                  |                    |
| 12. 25uL Tube Rack/E  | Tube Rack/10       |
| 225uL H2O             | Tube Rack/10.      |
| Vortex.               |                    |
| 200uL Tube Rack/10    | 96-well plate/A12. |

## Student 2 Protocol

Transfer	To
1. 200uL Tube Rack/A	96-well plate/C1.
2. 125uL Tube Rack/A 125uL H2O Vortex. 200uL Tube Rack/1	Tube Rack/1. Tube Rack/1. 96-well plate/C2.
3. 10uL Tube Rack/B 390uL H2O Vortex. 200uL Tube Rack/2	Tube Rack/2 Tube Rack/2. 96-well plate/C3.
4. 5uL Tube Rack/B 395uL H2O Vortex. 200uL Tube Rack/3	Tube Rack/3 Tube Rack/3. 96-well plate/C4.
5. 0.5uL Tube Rack/C 800uL H2O Vortex. 200uL Tube Rack/4	Tube Rack/4 Tube Rack/4. 96-well plate/C5.
6. 25uL Tube Rack/B 225uL H2O Vortex. 200uL Tube Rack/5	Tube Rack/5 Tube Rack/5. 96-well plate/C6.
7. 200uL Tube Rack/D	96-well plate/C7.
8. 125uL Tube Rack/D 125uL H2O Vortex. 200uL Tube Rack/6	Tube Rack/6. Tube Rack/6. 96-well plate/C8.
9. 10uL Tube Rack/E 390uL H2O Vortex. 200uL Tube Rack/7	Tube Rack/7 Tube Rack/7. 96-well plate/C9.

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|-----------------------|--------------------|
| 10. 5uL Tube Rack/E   | Tube Rack/8        |
| 395uL H2O             | Tube Rack/8.       |
| Vortex.               |                    |
| 200uL Tube Rack/8     | 96-well plate/C10. |
| <br>                  |                    |
| 11. 0.5uL Tube Rack/F | Tube Rack/9        |
| 800uL H2O             | Tube Rack/9.       |
| Vortex.               |                    |
| 200uL Tube Rack/9     | 96-well plate/C11. |
| <br>                  |                    |
| 12. 25uL Tube Rack/E  | Tube Rack/10       |
| 225uL H2O             | Tube Rack/10.      |
| Vortex.               |                    |
| 200uL Tube Rack/10    | 96-well plate/C12. |

## Student 3 Protocol

Transfer	To
1. 200uL Tube Rack/A	96-well plate/E1.
2. 125uL Tube Rack/A 125uL H2O Vortex. 200uL Tube Rack/1	Tube Rack/1. Tube Rack/1. 96-well plate/E2.
3. 10uL Tube Rack/B 390uL H2O Vortex. 200uL Tube Rack/2	Tube Rack/2 Tube Rack/2. 96-well plate/E3.
4. 5uL Tube Rack/B 395uL H2O Vortex. 200uL Tube Rack/3	Tube Rack/3 Tube Rack/3. 96-well plate/E4.
5. 0.5uL Tube Rack/C 800uL H2O Vortex. 200uL Tube Rack/4	Tube Rack/4 Tube Rack/4. 96-well plate/E5.
6. 25uL Tube Rack/B 225uL H2O Vortex. 200uL Tube Rack/5	Tube Rack/5 Tube Rack/5. 96-well plate/E6.
7. 200uL Tube Rack/D	96-well plate/E7.
8. 125uL Tube Rack/D 125uL H2O Vortex. 200uL Tube Rack/6	Tube Rack/6. Tube Rack/6. 96-well plate/E8.
9. 10uL Tube Rack/E 390uL H2O Vortex. 200uL Tube Rack/7	Tube Rack/7 Tube Rack/7. 96-well plate/E9.

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|-----------------------|--------------------|
| 10. 5uL Tube Rack/E   | Tube Rack/8        |
| 395uL H2O             | Tube Rack/8.       |
| Vortex.               |                    |
| 200uL Tube Rack/8     | 96-well plate/E10. |
| <br>                  |                    |
| 11. 0.5uL Tube Rack/F | Tube Rack/9        |
| 800uL H2O             | Tube Rack/9.       |
| Vortex.               |                    |
| 200uL Tube Rack/9     | 96-well plate/E11. |
| <br>                  |                    |
| 12. 25uL Tube Rack/E  | Tube Rack/10       |
| 225uL H2O             | Tube Rack/10.      |
| Vortex.               |                    |
| 200uL Tube Rack/10    | 96-well plate/E12. |

## Student 4 Protocol

Transfer	To
1. 200uL Tube Rack/A	96-well plate/G1.
2. 125uL Tube Rack/A 125uL H2O Vortex. 200uL Tube Rack/1	Tube Rack/1. Tube Rack/1. 96-well plate/ G2.
3. 10uL Tube Rack/B 390uL H2O Vortex. 200uL Tube Rack/2	Tube Rack/2 Tube Rack/2. 96-well plate/G3.
4. 5uL Tube Rack/B 395uL H2O Vortex. 200uL Tube Rack/3	Tube Rack/3 Tube Rack/3. 96-well plate/G4.
5. 0.5uL Tube Rack/C 800uL H2O Vortex. 200uL Tube Rack/4	Tube Rack/4 Tube Rack/4. 96-well plate/G5.
6. 25uL Tube Rack/B 225uL H2O Vortex. 200uL Tube Rack/5	Tube Rack/5 Tube Rack/5. 96-well plate/G6.
7. 200uL Tube Rack/D	96-well plate/G7.
8. 125uL Tube Rack/D 125uL H2O Vortex. 200uL Tube Rack/6	Tube Rack/6. Tube Rack/6. 96-well plate/G8.
9. 10uL Tube Rack/E 390uL H2O Vortex. 200uL Tube Rack/7	Tube Rack/7 Tube Rack/7. 96-well plate/G9.



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|-----------------------|--------------------|
| 10. 5uL Tube Rack/E   | Tube Rack/8        |
| 395uL H2O             | Tube Rack/8.       |
| Vortex.               |                    |
| 200uL Tube Rack/8     | 96-well plate/G10. |
| <br>                  |                    |
| 11. 0.5uL Tube Rack/F | Tube Rack/9        |
| 800uL H2O             | Tube Rack/9.       |
| Vortex.               |                    |
| 200uL Tube Rack/9     | 96-well plate/G11. |
| <br>                  |                    |
| 12. 25uL Tube Rack/E  | Tube Rack/10       |
| 225uL H2O             | Tube Rack/10.      |
| Vortex.               |                    |
| 200uL Tube Rack/10    | 96-well plate/G12. |