Dell Pediatric Research Institute GRAY LAB- Zebrafish Facilities DPRI-Stock Solutions: Tricaine

## Tricaine Recipe (a.k.a. Mesab, MS-222)

1L Stock Solution (0.4% solution):

- 4g Tricaine powder
- 20.8mL Trizma Base\*
- 0.8L RO Water -> check pH -> bring up to 1L.
- > pH of Tricaine Powder 4.5
- > pH of TRIS base 10.0
- $\triangleright$  pH of Tricaine Solution 7.0 ( $\pm$ 0.2)

Measure pH of final solution!!! Name/date.

*Utilize Tricaine for anesthesia at ~4ml in 100ml system water (0.016%).* 

- \* 1M Trizma Base (not with HCl):
  - 24.228g TRIS crystallized free base
  - 200mL RO Water