

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

➤ **pH of Tricaine Solution 7.0 (± 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