

# Protocol ML003 000

## Capsaicin

**Vehicle** Tween 80 5%  
EtOH 5%  
Saline 0.9% (non-buffered)

**Stock solution:** 1% (1 g/100 ml = 100 mg/10 ml = 10 mg/1 ml)

- 1- Capsaicin (8-methyl-n-vanillyl-6-nonenamide): 1 g
- 2- EtOH 100%: 5 ml
- 3- Tween 80: 5 ml
- 4- Saline 0.9%: 90 ml

Mix 1 with 2 in the original bottle and then transfer in a flasque and add 3. The solution should be yellowish. Add the saline

### Dilutions

Desired concentration: 400 ng/ul = 4 mg/10 ml

$$\frac{100 \text{ mg}/10 \text{ ml}}{4 \text{ mg}/10 \text{ ml}} = 25$$

Dilute any volume of the stock solution by a factor of 25

stock                      To get 2.5 ml of the desired concentration: Take 0.1 ml of solution and add 2.4 ml of 0.9% saline

Concentration: 40 ng/ul = 0.4 mg/10 ml

To get 2.5 ml of the desired concentration: Take 0.01 ml stock and add 2.49 ml of 0.9% saline