

# How to make Medium

## Mixing Medium

1. On the note pad write Thio Batch, the batch number this batch is for the day (1, 2, 3, ect.), and the date.
  - a. Ex: Thio Batch #1 1/1/10.
2. Under the batch number write thio brand (usually flucka) 29.0g, + NaCl 20.0g + 1000 mL DI H<sub>2</sub>O.
  - a. If you are making for Parks and Wildlife
    - i. Ex: Thio Batch #1 1/1/10 DNA
    - ii. Thio brand (flucka) 34.8g, + NaCl 24.0g + 1200 mL DI H<sub>2</sub>O.
3. Now you place one of the plastic cups on the large scales and turn it on. Tar the Scale.
  - a. Use the containers that say Dr. Ray on the side when making medium for Dr. Ray.
  - b. The containers that say TPWD for Parks and Wildlife
4. Add the salt first, because the salt is much denser then the thio and it is much easier to take out extra salt if you add it first.
5. The thio is a powder so scoop it into the plastic cup or dust will fly every where
  - a. Make sure you close the thio container tightly, thio is very hydrophilic and will pull moister out of the air becoming clumpy and moist, ruining the thio stake
6. In the bottom left draw of the desk closest to the door, you will find a 1000 mL flask. Use this to fill with DI water.
7. Under the counter there is a 2000mL beaker with a glass stirring rod in it. Make sure it is clean and pour some of the water from the flask into the beaker. Then pour in the thio salt mixture, as close to the water as possible so as not to make a dust cloud. Last add the rest of the water.
8. Place the beaker on the low watt burner and turn the power to low.
9. Stir periodically until all of the mixture is dissolved and the liquid has turned clear and has become a yellow pee color. **DO NOT LET BOIL!!**
10. Take it off the heat and set aside.