DrTim's Aquatics®

SEE SUCCESS AT EVERY LEVEL

DrTim's Aquatics Recipes for Success

Fishless Cycling A New Aquarium

with DrTim's Aquatics One & Only Live Nitrifying Bacteria and Ammonium Chloride

Ingredients

1 - bottle of DrTim s One & Only sized to Your Tank
1 - 2 oz bottle of DrTim s Ammonium Chloride*
1 - bottle of DrTim s Aquatics First Defense

Test Kits for Ammonia, Nitrite and pH
*a 2 oz bottle of ammonium chloride is enough to cycle aquariums up to 250 gallons

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Directions

Set-up your aquarium, filter and heater per the manufacturer s directions. The One & Only Live Nitrifying Bacteria need a place to live so for best results your tank needs to have gravel or crushed coral on the tank bottom***. After set-up the water may be cloudy and cold (warmer water cycles faster - 78 to 80) so it is preferable to let the system run overnight before adding the One & Only just to make sure everything is ok. If you have a skimmer, UV and/or ozonizier it s best to set them up and test the connections now before adding the One & Only. If you are going to use a filter sock you can install it now to remove particles from the water.

Before adding One & Only dose the tank with the correct amount of First Defense to remove chlorine and chloramines (DO NOT use ammonia removing chemicals) which can harm the One & Only Live Bacteria from the water. Wait 30 minutes after adding First Defense to add the One & Only.

Before adding One & Only you need to remove the filter sock and turn-off the UV, skimmer and ozonizier. These will stay out or off for 48 hours after adding One & Only Live Nitrifying Bacteria. Keep the filter running with any filter floss, sponges, biomedia and the like - DO NOT remove these.

To add One & Only shake the bottle well for a few seconds then pour the entire bottle into your tank. You can also add the One & Only to your sump or filter. Your aquarium water may become cloudy but do not worry it will clear in a short time. Add 4 drops (and 4 drops only*) of DrTim s ammonium chloride per gallon of aquarium water. This is Day 1 in the chart below. We DO NOT recommend using household ammonia.

Wait 24 hrs - measure ammonia, nitrite and pH. Record on the chart below - this is day 2. On day 3 add another 4 drops of ammonia per gallon of aquarium water**. Measure and record water quality for 2 more days. On Day 6 add another 4 drops of ammonium chloride per gallon of aquarium water**. Measure water quality on Days 7 & 8 - in most cases at this point ammonia and nitrite will be zero or below 0.5. Congrats! Your tank is cycled - now you can add some fish and enjoy your aquarium! Follow the schedule on the chart below ending with your first biweekly 25% water change.

***Precautions** - Do not add keep adding ammonia until you get a reading of 2 ppm NH_3-N - **max 4 drops per gallon**. You do not have to add add ammonia every day the bacteria will not starve. If the pH drops below 7 perform a 25-30% water change taking the water from near the top of the water column. Do not disturb the substrate or remove the filter pad. Do not manipulate pH during the cycling period - the higher the pH the better (up to 8.5). Also note old recipes called for 1 drop per gallon - follow the directions on the ammonium chloride bottle.

** If the ammonia or nitrite values are over 5 ppm NH_3-N skip the next addition of ammonia drops.

*** For info on how to fishless cycle a quarantine tank please go to www.drtimsaquatics.com or scan the QR code

Chart Your Cycling Success

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Add Ammonia drops	pH = NH_3 = NO_2^-=	Add Ammonia drops	pH = NH_3 = NO_2^-=	pH = NH_3 = NO_2^-=	Add Ammonia drops	pH = NH_3 = NO_2^-=
Day 8	**Day 9**	**Day 10**	**Day 11**	**Day 12**	**Day 13**	**Day 14**
pH = NH_3 = NO_2^-=	Add Fish!! (If both NH_3 and NO_2^- are near 0)	pH = NH_3 = NO_2^-=	Enjoy Your Tank	Enjoy Your Tank	pH = NH_3 = NO_2^-=	Do a 25% Water Change