



READING EFFORT
10 minutes



TRITON METHOD

VERSION:
2024/08

SUPPORT:
hello@triton.de

WEB:
www.triton.de

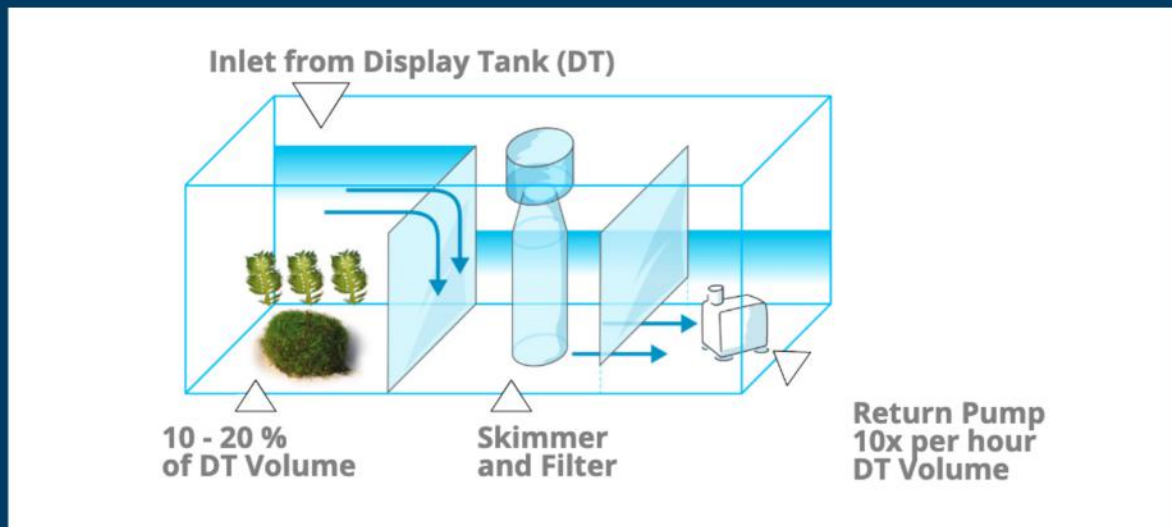


The TRITON Method is a holistic system that delivers reef keepers with a very convenient and simple way to maintain all species of coral in optimal health (growth and colouration). Even extremely difficult species can be successfully kept with relative ease. As the inventors of modern reef keeping (ICP testing and individual trace element supplementation) no one knows how to keep your corals bright and healthy better than us!

Since 2008, the TRITON Method has stood as the most revolutionary and science-driven approach to reef keeping ever conceived. This holistic method is designed not only to simplify reef keeping but also to offer unmatched insights into the intricate biological and chemical processes within your aquarium.

By systematically eliminating variables and optimizing filter efficiency, TRITON has engineered the ultimate reef keeping method—so advanced that it completely eliminates the need for water changes. This breakthrough frees you from the chaos and frustration that once hindered success in reef keeping. With TRITON, high-level reef keeping is proven to be as straightforward as caring for soft corals.

TRITON METHOD MANUAL



Requirements:

- **TRITON Design Sump** - fig1
- **Skimmer**
- **Common Granular Media Filters** (for carbon and phosphate removers)
- **Return Pump** (8-10x display tank volume per hour)
- **Refugium Light** (T5 recommended - blue and white mix)
- **Reverse Osmosis Unit** (TRITON DI filtration) - fig2
- **10% Live Rock or similar** (Reef structure) - if you need assistance please contact us (hello@triton.de)
- **Aquarium Light** (Proven LED, Metal Halide or T5 units) - if you need assistance please contact us (hello@triton.de)

Recommended (Optional):

- **4-Head Dosing Pump**
- **Chaetomorpha algae** (for starter)

SETUP FRAMEWORK

The TRITON Method framework is consistent across all TRITON aquariums to ensure optimal performance and results. This framework also ensures that our marine biologist led support is most effective for troubleshooting issues as we have compiled data and researched this system since 2008 delivering unmatched success.

1. Water Flow:

- Water first flows through the algae bed, which overflows into the skimmer area (protein trap).
- The water then flows from the protein trap underneath the separation glass to the return pump chamber.
- The return pump should have a flow rate approximately equal to 8-10x the volume of the main display tank.

2. Algae Bed Illumination:

- The algae bed should be illuminated for up to 14 hours per day, with lighting reversed to the display aquarium lighting schedule.
- The refugium should be sized between 10% and 20% of the volume of the display tank.
- If the algae bed section is large, consider adding an extra flow pump.

3. Refugium:

- No sand should be used in the filter.
- Add one or two pieces of live rock as a growing surface for some algae species.

SUPPLEMENTATION

The TRITON supplementation is tailored for a filtration framework proven effective since 2008 and is unique in the industry. It delivers all essential macro and trace elements without the risk of limitation and eliminates the need for regular water changes. It does not require the need to purchase all trace elements as this will be based on the corals kept in the aquarium.

Base Elements Dosing:

- The 4-part base elements are dosed based on the loss of Alkalinity (dKH).
- Test dKH regularly. If a loss is measured, increase the daily dosage of base elements.
- If an increase in dKH is measured, decrease the daily dosage.
- This approach allows you to dial in the exact requirements for your aquarium.
- Simple, effective and scientific. There is no need for any guesswork.

Dosing Pump (recommended but not essential):

- A dosing pump is recommended to ensure the system remains stable by providing consistent supplementation.

MAINTAINING STABILITY

While all TRITON aquariums share the same framework, slight variations in water chemistry may occur based on the specific animals kept. To address these variations and ensure the highest level of safety through error correction, TRITON Lab testing and individual supplementation are highly recommended.

Lab Testing:

- ICP-OES and N-DOC lab testing provide clear guidance for all aspects of your aquarium maintenance and are helpful even if you do not run the TRITON Method. However, when implemented within the TRITON Method, with its holistic approach to reef keeping, it is an even more powerful tool for the aquarist.
- Recommendations are generated by TRITON's unique knowledge database and supported by multilingual expert assistance.
- These methods are built on years of experience from expert aquarists and scientists since 2008.

Supplementation:

- Use TRITON supplements and treatment products according to your lab test results to maintain stable macro, trace, and nutrient levels.
- Simply dose according to the provided recommendations to keep your aquarium in optimal condition.

CONCLUSION

By following this manual, you'll ensure your aquarium operates efficiently, with stable water quality and healthy marine life. If you are unable to follow this manual 100% because of any limitation do not worry, depending on the animals that you want to keep, there may be no problem. Contact our professional support team and they will be more than happy to help (hello@triton.de).

Thank you for choosing TRITON for your reef keeping journey. With your support we continue to bring advancements to our hobby and industry with continued drive and investment to innovate and use science to gain more knowledge and work to give this back to you with our products and services. Our philosophy in this regard has been proven since our inception back in 2008.

ADDITIONAL LINKS

Social media:

- [instagram.com/tritonreef/](https://www.instagram.com/tritonreef/)
- [facebook.com/tritonreef/](https://www.facebook.com/tritonreef/)
- [youtube.com/tritonreef/](https://www.youtube.com/tritonreef/)

Where to buy our products:

- triton.de/en/where-to-buy | Find your local distributor.
- tritonreef-shop.com | Direct TRITON shop for US customers.
- tritonreef-shop.mx | Direct TRITON shop for MX customers.
- tritonreef-shop.de | Direct TRITON shop for DE customers.

Our websites:

- triton.de | See who we are and what we do.
- triton-lab.de | TRITON tests, useful calculators and more.
- triton-reagents.de | All about TRITON products.

Register at TRITON lab:

- triton-lab.de/en/register

Join our Facebook community:

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Contact us via email:

- Customer support: hello@triton.de
- Business inquiries: julian@triton.de