

ATI Nano Essentials Quick Guide:

The ATI Nano Essentials include all the elements of the regular Essentials, although it is a two part system.

They include mainly among others:

boron, bromine, calcium, cobalt, chloride, chromium, fluorine, iron, iodine, KH, lithium, magnesium, manganese, molybdenum, nickel, potassium, rubidium, sodium, sulphur, strontium, vanadium, zinc, etc.

What do you also need when dosing ATI Nano Essentials:

- Reliable water-test
- Calibrating solution (ATI Reference)
- Reverse osmosis system with deionising resin filter (preferably a twin DI filter pod setup)
- If you prefer auto dosing: 4 to 6 channel dosing pump + sufficient silicone tubing



Water tests for the home

Please measure the following values of your aquarium water as indicated and check tests with calibrating solution frequently:

- KH-value, every day until the determination of you're aquariums individual dosage requirements are achieved, then 2-3 times a week.
- Calcium concentration every two weeks; With the alternative application more often (see the alternative application on page 13)
- Nitrates, phosphates periodically when needed.
- Density/salinity weekly.

Start of dosing

To start dosing with ATI Nano Essentials you need to determine the initial starting dose. The best way to do this is to determine the daily KH-consumption. Measure the KH-value and measure KH-value exactly 24 hours later again. Please do not add KH-buffer in the meantime. The difference between the two values is the daily KH-consumption.

4 ml of Nano Essentials 1 raise the KH-value of 10 liters by 1°KH.

If you have a 60 liter display tank you need to calculate:

60 liter DT x 4 ml / 10 liters x daily KH-consumption = starting dose.

Please note that at the beginning Nano Essentials # 1 and 2 should be dosed in equal amounts.

Daily dosage:

We recommend to check KH daily for the first week and after it frequently (2-3 times per week). Measure calcium on a weekly base and do adjustments if necessary. For that purpose see dosing instructions on the back of Nano Essentials 2.

If you dose only once a day, you need to establish a routine. Try to dose Nano Essentials every day at the same time. Measure KH every day in the same temporal distance to the dosage. Otherwise you will get problems to determine the individual dosage, because of fluctuating test results.

Further information:

See user manual of the regular ATI Essentials for further information.