How To Get Rid Of Nitrite In Fish Tank?

Nitrite is a waste product that develops during the biological filtration process. This nitrite can cause severe harm to the fishes present in the fish tank and at times can even kill them. It is regarded as the most lethal byproduct and requires immediate checks. When it is that the fish gives out ammonia, this ammonia further changes to harmful nitrite. If there is a proper biological filter present, this nitrite gets converted into harmless nitrate.

However, even this harmless nitrate should be done away with since this can give rise to **high nitrite in fish tank.** Also, this nitrite can develop nitrite poisoning among the fish causes death.

Now to know **how to lower nitrite in fish tank,** one needs to have a good understanding of the reasons responsible for **high nitrite in fish tank.** In this way, one can, according to take based required steps for reducing nitrite in a fish tank.

## **Reason for high nitrite in fish tank**

Now the fundamental reason for nitrite can go a long way in figuring out **how to fix nitrite in fish tank.**

The first significant reason for **high nitrite in fish tank** is that whenever a new aquarium is set up, it requires more time to develop the beneficial bacteria for fixing nitrite in a fish tank.

The second reason can be an inferior biological filter which is thus not able to convert the harmful nitrite into harmless nitrate.

The third reason for **high nitrite in a fish tank** is that too many fishes or large fishes are put in the container at once, thus, causing hindrance in the working of the bacteria.

The fourth reason can be termed as overfeeding of the fishes, which develops more excretion and then produces more ammonia in the fish tank. This ammonia production is the first step in the development of nitrite in the fish tank.

The fifth reason is the dry-cleaning of the tank and changing its water more often. This way, the beneficial bacteria get washed away from the water and can no longer prevent the increase of nitrite in the fish tank.

Now, as we know the reasons for **high nitrite in fish tank, a** further important part is to develop an understanding of the symptoms of increasing nitrite in the fish tank.

## **Symptoms**

An increase in the level of nitrite in the fish tank can also lead to the development of a fatal disease that is nitrite poisoning. This disease can also result in the death of the fish. Thus, it is crucial to learn about the primary symptoms of the nitrite presence in a fish tank.

* Firstly, nitrite usually causes nitrite poisoning among the fishes, which then turns the gills of the fish brown. Thus, it is also called Brown Blood diseases.
* Secondly, nitrite poisoning increases methemoglobin in the blood of fish, reducing its oxygen-carrying capacity. Thus, the fish move towards the top of the tank to breathe properly.
* Thirdly, the fish becomes quite list-less and.
* Fourth, due to suffocation, the fish is also seen as gathering at the outlet of the fish tank.
* Fifth, the fish's gill movement becomes faster.
* Sixth, methemoglobin causes liver disease, gill diseases and damage to blood cells and even itching, fin rot and bacterial infections.

Now, as we know the primary symptoms of the nitrite rising in the fish tank, we can learn as to **how to treat high nitrite in fish tank.**

# **How to reduce nitrite in fish tank**

Usually, when the fish excretes, it produces some decomposed organic matter which then changes into ammonia. This ammonia further develops nitrite, which is very detrimental for the fish's health. Now, a nitrite level below two ppm is considered harmless. However, when it goes above two ppm, it can also cause the death of the fish. Thus, it is imperative to learn **how to fix nitrite in fish tank.**

* Changing the water in the fish tank partially every week can be very beneficial in checking nitrite development in the fish tank. This way, the concentration of nitrite is diluted in the water.
* One can also purchase bottled bacteria from Amazon.com. Since a new tank is unable to complete is the nitrogen cycle, in the beginning, one can always add notifying bacteria in the water so that the increased nitrite remains checked. Also, it is essential to know the proper dozing required for this. API Quick Start Nitrifying Bacteria for Freshwater and Saltwater Aquariums are readily available at Amazon.com.
* A good filter is also an essential need for the checking of the nitrite level on the fish tank. A good filter increases the oxygen level in the fish tank and develops an ample amount of beneficial bacteria. This way, the fish is no longer left to suffocate in the fish tank due to lack of oxygen.

One can also use the biological filter from an established and old tank as its bacteria had already developed.

* Now, a very significant part of the lowering of nitrite in a fish tank is a nitrite test in a new tank. Nitrite test can be done while setting up a new tank, adding up some extra fish in the tank, when the filter is not working properly and while the medication of a fish is being done.
* Now, adding marine salt that is sodium chloride can also be benefitting in checking nitrite in the fish tank. By dechlorinating water, it decreases the nitrite volume in the container. Add only half tablespoon of this salt in one gallon of water as it is enough for reducing the methemoglobin, thus helping to protect the fish from taking in nitrite.
* Also, by increasing the aeration of the fish tank, one goes on to increase the oxygen level in the fish tank.
* One is advised to prevent overfeeding of fishes to avoid the increasing of nitrite which is developed through the fish's excretion. In case a fish is already suffering from nitrite poisoning, it is recommended not to feed it for several days, until the poisoning it done away with.
* Even the leftover food of the fish should be cleaned in no time.
* Now, adding too many fishes at once can also be dangerous. At the time when the fish tank is newly set up, it will not be able to develop enough nitrite fixing bacteria; thus, only two fishes should be put at this time. Even though the tank becomes well established, one should not put more than two fishes at once. At a time when a fish is being treated for nitrite poisoning, no new fish should be added in the fish tank.
* Lastly, a person should always keep on cleaning the fish tank every week. This provides a healthy environment for the fish. Also, any plant matter should be removed from the container.

Therefore, by developing an understanding of these, we now know **how to get rid of nitrite in fish water.** Since ammonia development is the initial stage of nitrite development, it is equally important to remove ammonia and nitrite. Also, nitrite can even cause the death of the fish; it is crucial to have a check on its increase. Nitrite is responsible for the occurrence of a fatal disease called nitrite poisoning in the fish which can cause severe damages of its liver, fins, gill, and blood cells and at times even lead the fish to succumb to death. Thus, one should do **nitrite test in fish tank** so that the fish doesn’t die of suffocating and any amount of nitrite in the tank remains unchecked.

Therefore, we have discussed the entire detail related to **nitrite levels in the tank.** From the reasons for nitrite development to the symptoms and process of **lowering nitrite in fish tank,** this article provided an ample amount of details for nitrite development in fish tank.