

# MAKE & KEEP 16 AQUA CLEAN AC

Aqua Clean AC is an adsorptive filtration media that effectively removes yellowing and dirt from the water in the aquarium. This time, we introduce the effect of Aqua Clean AC in the early stage of the aquarium set.

## Comparative experiment of Aqua Clean AC

In this comparative experiment, Aqua Soil-Amazonia was placed in a 30cm aquarium, and Wabi-Kusa Stemmed Plants MIX and Glossostigma were arranged. We compared the color and quality of water with and without Aqua Clean AC. (\* 1/3 change of water once a week, Aqua Clean AC is replaced in 2 weeks.)

WITHOUT Aqua Clean AC

Amazonia contains a large amount of organic matters and nitrogen, and yellowing and turbidity of water are likely to occur at the beginning of the aquarium set. Although this is improved by the growth of aquatic plants and water change, the color still remains at the Day 25.



We pruned the aquatic plants.

WITH Aqua Clean AC

The yellowing and turbidity of the water by Amazonia have been removed and the state of high transparency continues. Since phosphoric acid and nitric acid are adsorbed, algae are less likely to appear after two weeks. As a result, aquatic plants are growing well.



We pruned the aquatic plants.

## Packed for easy set and change

In this comparative experiment, Aqua Clean AC is set in Super Jet Filter ES-150. Aqua Clean AC is packed and easy to set and change. It is necessary to replace it if it is adsorbed to the limit due to the nature of adsorption filtration media. About 2 weeks is a standard of exchange in initial stage when water is easy to get dirty.



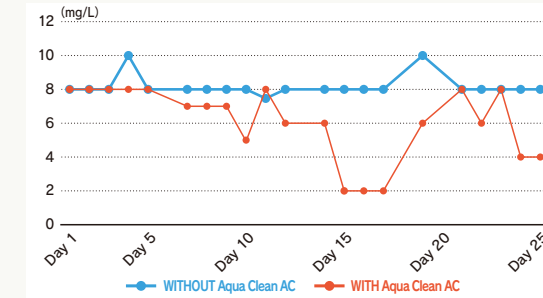
Aqua Clean AC is an exchangeable adsorptive filtration media pack ideal for Systems Aqua 30 and System Terra 30. It can also be used with a Super Jet Filter. (2 packs in a package)

## Aqua Clean AC to improve water coloring and water condition

Aqua Clean AC is an adsorptive filtration media that combines high-performance activated carbon and activated alumina. By simply putting the Aqua Clean AC pack into the filtration tank, you can effectively remove water coloring, organic stains, phosphoric acid ( $PO_4$ ) and nitric acid ( $NO_3$ ). As a result, yellowing and turbidity of water that easily occurs in aquariums with Amazonia soil can be improved, and the appearance of algae can be suppressed. Although the transparency of the water and the growth of aquatic plants are greatly different depending on the presence or absence of

Aqua Clean AC from the photograph of the comparative experiment published above, the effect is also understood from the measurement results of the water condition published on the right page. COD, which indicates the amount of organic matter in water, is significantly lower with Aqua Clean AC. In addition, although the rise of  $NO_3$  and the rapid decrease after that indicate the growth of nitrifying bacteria that play an important role in biological filtration. In this experiment, biological filtration functions about 10 days earlier with Aqua Clean AC.

**COD** COD is an indicator of the amount of organic matter that causes turbidity. It decreased with Aqua Clean AC.



**$NO_3$**   $NO_3$  level is an indicator of functioning of biological filtration. It functions 10 days earlier with Aqua Clean AC.

