



ULTUM NATURE SYSTEMS

# THE ULTUM NATURE SYSTEM

DAY 1

LAYOUT SETTING

Initial planning stages require careful selection. UNS Tissue Culture Aquarium Plants are used exclusively in this aquarium layout and are planted in Fine granule UNS Controsoil. This combination provides a solid foundation for healthy growth, root establishment and pH buffer capacity for this tank size.



1 Clean, prep and remove as much tissue culture gel as possible. Introducing excess nutrients into an aquarium may cause algae blooms during initial stages.



2 Moist substrate allows for easier planting.



3 Plant each portion close together. A densely planted aquarium increases plant mass and reduces the risk of potential algae outbreaks. We recommend using high quality stainless steel tools to make planting comfortable and easy.

DAY 30

GROWTH

During the beginning stages, maintenance includes a weekly 40% water change. A group of Amano Shrimp are also added to aid in diatom algae control. Fortunately, algae did not appear and the aquarium plants produced healthy growth and vibrant color.



4 Consider adding livestock that assist with keeping algae at bay. Depending on the aquarium size, Amano Shrimp, Otocinclus Catfish, Siamese Algae Eaters and Bristlenose Plecos are suitable choices.

DAY 60

MATURITY

UNS Plant Food All-In-One is added to the system, supporting rapid aquatic plant growth. Dosage is adjusted weekly to accommodate demand. Fast-growing stem plants, such as Rotala, and the Glossostigma Elatinoides in the foreground benefit greatly from the introduction of a quality nutrient source.



5 A quality all-in-one liquid fertilizer is a great solution for hassle-free dosing. The UNS Plant Food line features a specialized formula that takes the guesswork out of nutrient dosing and is designed to provide both slow and fast-growing aquatic plants with all the nutrients needed for enhanced growth and color.



TIP! Ludwigia Natans 'Super Red' provides intense pops of red hues in a planted tank and is suitable for all skill levels.

DAY 130

OVERGROWTH

The plants are now well-established due to consistent maintenance and a stable fertilizing routine. Aquarium plant growth increases and commonly results in overgrowth. To maintain the desired look, UNS Stainless Steel Aquascaping Tools are helpful when pruning aquatic plants.



6 Pruning prolific growers is important to ensure all plants receive light. Leaving excess growth for extended periods of time increases the risk of insufficient light exposure for lower level plants. This can result in unwanted leggy growth and dying plants.

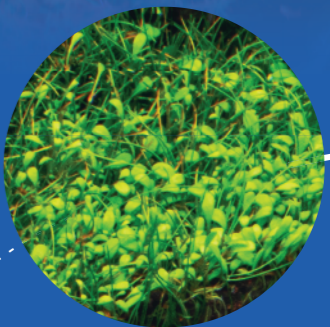


7 Using quality tools intended for aquascaping is recommended and are best for maintaining and promoting healthy plant growth.

DAY 135

UPKEEP

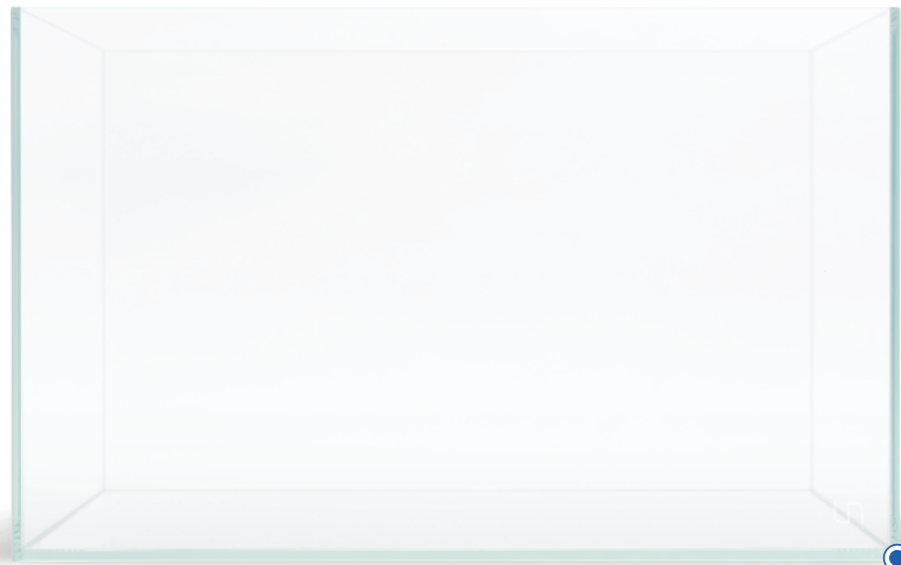
The decision to maintain the aquarium long-term or consider a rescue is the next discussion. Long-term commitment requires frequent pruning to ensure foreground and midground aquatic plants receive sufficient lighting. This is commonly considered the final stage of the planted aquarium setup.



8 Consistent maintenance is required for longevity. Weekly water changes, a stable fertilizing routine, pruning and replanting trimmed aquarium plants will ensure a planted tank thrives long-term.

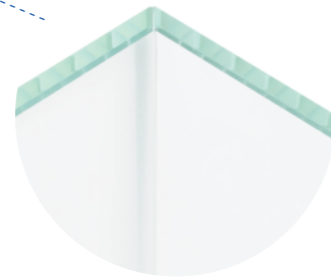


TIP! Replant fresh trimmings to produce a more complete look, promote thicker growth and reduce the appearance of freshly cut areas.



### RIMLESS AQUARIUM

Ultum Nature Systems is the proud pioneer of the original 45° mitered edge. The innovative approach provides a seamless aesthetic and an unparalleled viewing experience. UNS aquariums are available in various sizes and shapes that support unlimited creativity.



### STAINLESS STEEL AQUASCAPING TOOLS

UNS essential aquascaping tools feature quality form and increased durability for exceptional longevity in the aquarist's tool belt. Lightweight and rust-resistant, using tools designed for aquarium plant propagation and maintenance contributes to the success of a planted aquarium.



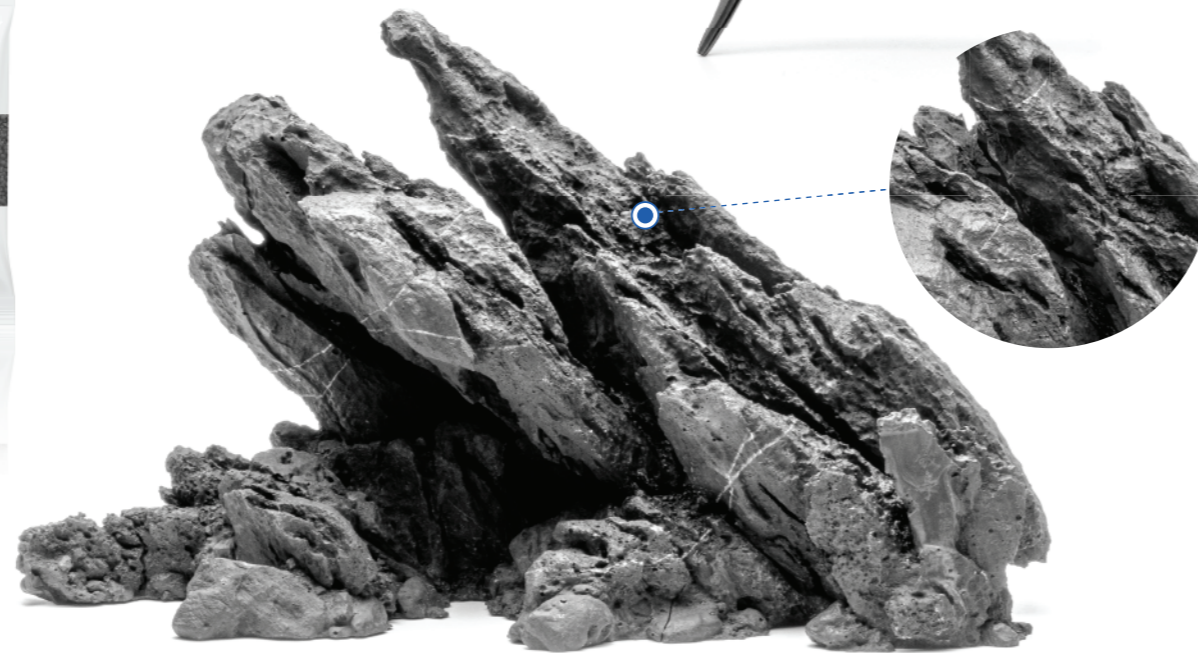
### CONTROSOIL

Formulated from premium natural soil and volcanic ash. Competing substrates often produce elevated ammonia levels. This method is commonly used to "jump-start" a tank and promote quicker plant growth. However, ammonia spikes are toxic to livestock and can result in long-term algae problems for aquarists with less experience. UNS Controsoil offers a balanced level of nutrients for success without excess.

**BAG SIZE** 10L / 3L / 1L

**GRANULE SIZE** NORMAL / FINE / EXTRA FINE

**COLOR** BLACK / BROWN



### STRATA

Premium, resin molded stone and driftwood pieces. Strata is hand-sculpted by professional aquascapers resulting in meticulous detail and natural finishes for the planted aquarium. UNS Strata is 100% aquarium safe for all livestock, plants and will not discolor or alter water chemistry. One layout, endless possibilities.



COMPLETE!

**TANK:** UNS 45U 9 Gallons  
**SUBSTRATE:** UNS Controsoil Black Fine  
**LIGHTING:** RGB LED for 8 hours  
**CO2:** UNS PRO Regulator at 6.4pH for 9 hours  
**FILTRATION:** UNS Delta 60  
**HARDSCAPE:** UNS Strata Seiryu Stone

**MAINTENANCE:**  
 40% water change once a week

**PLANTS:**  
 Rotala Sp. Green  
 Rotala Manipurensis  
 Juncus Repens  
 Rotala Sp. Blood Red  
 Ludwigia Arcuata  
 Cratiola Viscidula  
 Eleocharis Acicularis 'Mini'  
 Glossostigma Elatinoides  
 Bucephalandra Red Mini

**FAUNA:**  
 Hyphessobrycon Amandae  
 Caridina Multidentata  
 Neocaridina Davidi

**SETUP DATE:** September 2020  
**PHOTO DATE:** February 2021

# ULTUM NATURE SYSTEMS

TRANSCEND INTO A DEEPER UNDERSTANDING AND APPRECIATION OF NATURE

ULTUM NATURE SYSTEMS  
DESIGNED IN LOS ANGELES, USA

FOR MORE INFORMATION PLEASE VISIT: [WWW.ULTUMNATURESYSTEMS.COM](http://WWW.ULTUMNATURESYSTEMS.COM)

