

## Nudibranch in Reef-ball

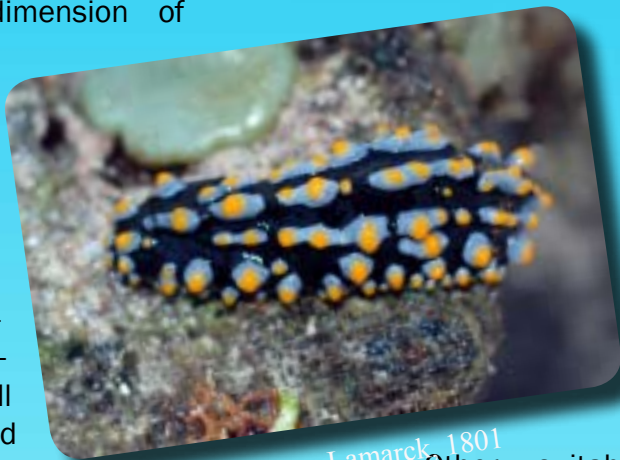
In May 2005, there were 300 artificial reefs, which known as reefball, deployed in lagoon of Pulau Layang Layang Malaysia. Reefball was made from the mixture of granite stone and concrete, with dimension of 1.31m height and 1.68m width.

Reef Ball's objective is staying solvent and enhancing the overall marine environment. Monitoring of reefball was conducted on 12<sup>th</sup>-17<sup>th</sup> June 2007. The objective of this survey is to observed the present of nudibranch in reefball, Pulau Layang Layang Malaysia.

Currently, there are 300 units of reefball inside the lagoon of Pulau Layang Layang, 200 units located at latitude of 7° 22' 38.3"N and longitude 113° 49' 3.43"E. The other 100 units was located at latitude 7° 22' 38.4"N and longitude 113° 49' 4.30"E.

For preservation and fixing method, the specimens should be relaxed to retain, more or less, their original body shape. The simplest

relaxing agents are magnesium sulphate, magnesium chloride or menthol. It is better to add a few crystals (or drops) of 10% magnesium chloride solution often than a large amount at once. This causes the specimen to contract as badly as if it were put directly into a preservative fluid.

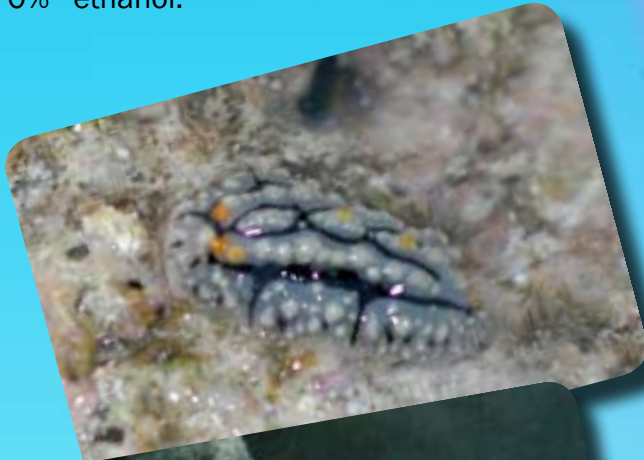


*Phyllidia varicose* Lamarck 1801

Other suitable, but less commonly used, mild relaxing agents are propylene phenoxetol, chloral hydrate and chloretone. It often helps to chill the specimen in a refrigerator during the narcotization process. When the specimen is properly relaxed it should not respond to the touch of a needle; this takes between 12 and 24 hours. Be watchful, as death soon follows narcotization and the nudibranch's tissues then disintegrate. Nudibranchs can be preserved in 10% neutral formalin or 70% ethyl alcohol. The former is preferable because it keeps the tissues in better condi-

tion for dissection. However formalin produces unpleasant and corrosive fumes. Therefore, ideally, the specimen should first be placed in formalin for one to two weeks, then washed and stored permanently in 70% ethanol.

*Phyllidia elegans*  
Bergh, 1869



*Chromodoris tinctoria*  
Rüppel & Leuckart,  
1828



*Risbecia tryoni*  
(60mm), (Garrett,  
1873)

