

## COMBINED CHEMISTRY ANTICOAGULANT TO PREVENT RAPID BLOOD CLOTTING IN WARM WATER FISH

### TECHNOLOGY DESCRIPTION

The technology is an effective fish blood anticoagulant composition to prevent rapid blood coagulation in tropical fish.

### TECHNOLOGY FEATURES

The technology uses two excellent chelating agents, namely, EDTA and trisodium citrate. This method is also effective and suitable to apply in other marine and freshwater fishes, veterinary species and also human blood. Moreover, the cost of the technology is cheaper and can be used easily. The anticoagulated blood from fish is important in many aquaculture studies including sex determination assay, disease and pathagon identification, assessment of vaccines and endocrinology tests. It is a fundamental tool for breeding, vaccines, nutrition and aesthetic development.

### ADVANTAGES

- Cost effective
- Easy to handle
- Prevents rapid blood clotting in grouper
- Effective in many other species
- Improves marketing

### INDUSTRY OVERVIEW

#### Prospect: Aquaculture Industry and Fish Farmer

Brackish water aquaculture dominates the aquaculture industry in Malaysia, with a total production of 144 189 tonnes, covering an area of 17 357 ha. This constitutes more than 70 percent of the total aquaculture production in 2003. Freshwater aquaculture is predominated by pond culture covering an area of 4 769 ha with a production of 49 951 tonnes. In 2003, aquaculture production was at 194 139 tonnes at a value of USD 308 million - about 20 percent of the total value of the fisheries production in Malaysia. Malaysia has announced that it will achieve the aquaculture production target of 1.76mn metric tonnes by 2020 and valued US\$3.3bn. In 2013, the country's aquaculture industry's production reached 300,000 metric tonnes with a value of US\$948mn. Potential target markets are aquaculture producers and fish farmers. Potential sales channel of the personal selling and the potential sales method is likely to be through direct sales force and manufacturer's representative.



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