



KOI CARE

Gill-Wash

dip treatment against parasites and bacteria

Fish gills are the sites of gaseous and ionic exchange. They are extremely sensitive organs, which can be easily damaged by poor water chemistry and pollutants, and also by parasitic infection, such as the Gill Fluke *Dactylogyrus*. This damage also leaves the gills very vulnerable to bacterial and fungal secondary infection.

When the fish has injured gills, it increases the amount of mucus production, in an attempt to slough off the offending invader or pollutant. The increase in the amount of mucus at the gills means that gaseous exchange is hindered, leading to suffocation. The essential ion fluxes at the gills are reduced leading to an osmotic imbalance.

Gill-Wash has two main functions in treating sick fish. Firstly, it is an antibacterial and anti-parasitic agent, so it removes any infection present in the gills. Secondly, Gill-Wash has decongestant properties; helping to break down the excess mucus at the gills, so the fish can 'breathe' more easily.

It is important to note the Gill-Wash has enhanced activity in soft water. Thus the amount used should be halved when used in soft water areas.

Dosage:

Gill-Wash is best used as a short term, high strength, dip treatment: use 5 ml to every 3.5 gallons (15 L) of pond water in the dip. The fish should remain in the dip for 30 minutes. Gill-Wash can also be used as a long term quarantine treatment: use 10 ml to every 25 gallons (112 L) of quarantine tank water.

As a disinfectant for nets and equipment:

Gill-Wash can also be diluted 5ml to every gallon (4.5 L), and used to clean and disinfect fish keeping equipment to prevent spread of infection without staining.

Pack size	Treats		
	Litres	Imp. Gallons	US Gallons
250 ml	2 785	625	740
500 ml	5 570	1 250	1 480
1000 ml	11 140	2 500	2 960
2500 ml	27 850	6 250	7 400