

# Fish Vetting Medicines - Formulary of Fish Treatments

## ACTIVE INGREDIENT

Oxytetracycline

## Indications

Bacteria - systemic - broad spectrum

## Mode of action

Bacteriostatic.

## Warnings precautions

Turns water a tea-brown. Foam at surface. Affect biofilter. May cause immunosuppression because cause secretion of hydrocortisone. Tetracyclines irritant to axolotls (urodele). Excess use can lead to renal failure & teratogenic effects in <15% of progeny.

## Withholding period

21 day w/h period in US for food fish. Investigational new drug for shrimp in US, tx 30d w/h 30d.

## DOSE ADMINISTRATION

### Top

### Par

IM: 10-50mg/kg q3d for 3 tx if long-acting preparation. Daily if short-acting preparation.

### Dip

### Bath

50-120mg/L for 1hr.  
20-40mg/L, q3-4d for 3tx w 10-40% water change (high dose for hardwater & sw).

### PI

### Oral

50-300mg/kg BW daily for 4-10d (0.75% in feed - estimated ~10% of drug is absorbed).

## Presentation

Powder (yellow). Liquid.

## Products

Aquatet powder 500g; Tetravet 200mg/ml L/A 100ml; Bivatop 200mg/ml 100mL; Engemycine 100mg/ml 100mL; Terramycin LA 250mg/mL.

## Misc Notes

Chelated in hardwater/seawater, so need to double the dose.  
Yellow powder discolours to brown as it decomposes. Degraded tetracycline is harmful to humans. Toxic to artemia.

