

Drug	Product Name, Supplier & FOI Summary	Species	Indication	Dosage regimen	Limitations & Comments	
<b>Immersion</b>						
Formalin	Parasite-S® by Western Chemical; <a href="#">FOI Summary</a>  and Formalin-F™ by Natchez Animal Supply Co.; <a href="#">FOI Summary</a>  and Formacide-B by B.L. Mitchell, Inc. <a href="#">FOI Summary</a> (not yet available)	All finfish	Control external protozoa ( <i>Chilodonella</i> , <i>Costia</i> , <i>Epistylis</i> , <i>Ichthyophthirius</i> , <i>Scyphidia</i> , <i>Trichodina</i> spp.)  and  monogenetic trematodes ( <i>Cleidodiscus</i> , <i>Dactylogyrus</i> , <i>Gyrodactylus</i> spp.)	<ul style="list-style-type: none"> <li>Salmon &amp; trout in tanks and raceways:                             <ul style="list-style-type: none"> <li>Above 50°F: up to 170 µl/L for up to 1 hr</li> <li>Below 50°F: up to 250 µl/L for up to 1 hr</li> </ul> </li> <li>All other finfish up to 250 µl/L for up to 1 hr</li> <li>Earthen ponds: 15 to 25 µl/L indefinitely</li> </ul>	<ul style="list-style-type: none"> <li>Drug must not be subjected to temperature below 40°F</li> <li>Do not apply to ponds when water is warmer than 80°F, there is a heavy phytoplankton bloom, or dissolved oxygen is less than 5 mg/L</li> <li>Ponds may be retreated in 5 to 10 days if needed</li> <li>Do not treat ponds containing striped bass</li> <li>Test on a small number from each lot to check for any unusual sensitivity to formalin before proceeding</li> </ul>	
		All finfish eggs	Control fungi of the family Saprolegniaceae	<ul style="list-style-type: none"> <li>All finfish eggs: 1000-2000 ppm for 15 min.</li> <li>Acipenseriformes up to 1500 ppm for 15 min.</li> </ul>	<ul style="list-style-type: none"> <li>Preliminary bioassay should be conducted to determine species sensitivity</li> </ul>	
		Penaeid shrimp	Control protozoan parasites ( <i>Bodo</i> , <i>Epistylis</i> and <i>Zoothamnium</i> spp.)	<ul style="list-style-type: none"> <li>Tanks and raceways: 50 to 100 µl/L for up to and 4 hours daily</li> <li>Earthen ponds: 25 µl/L as single treatment</li> </ul>	<ul style="list-style-type: none"> <li>Drug must not be subjected to temperature below 40°F</li> <li>Do not apply to ponds when water is warmer than 80°F, when there is a heavy phytoplankton bloom, or when dissolved oxygen is less than 5 mg/L</li> <li>Ponds may be retreated in 5 to 10 days if needed</li> </ul>	
		Salmon, trout, catfish, largemouth bass, and bluegill	Control external protozoa ( <i>Chilodonella</i> , <i>Costia</i> , <i>Epistylis</i> , <i>Ichthyophthirius</i> , <i>Scyphidia</i> , <i>Trichodina</i> spp.)  and  monogenetic trematodes ( <i>Cleidodiscus</i> , <i>Dactylogyrus</i> , <i>Gyrodactylus</i> spp.)	<ul style="list-style-type: none"> <li>Salmon &amp; trout in tanks and raceways:                             <ul style="list-style-type: none"> <li>Above 50 °F: up to 170 µl/L for up to 1 hr</li> <li>Below 50 °F: up to 250 µl/L for up to 1 hr</li> </ul> </li> <li>Catfish, largemouth bass and bluegill: up to 250 µl/L for up to 1 hr</li> <li>Earthen ponds: 15 to 25 µl/L indefinitely</li> </ul>	<ul style="list-style-type: none"> <li>Drug must not be subjected to temperature below 40°F</li> <li>Do not apply to ponds when water is warmer than 80 ° F, when there is a heavy phytoplankton bloom, or when dissolved oxygen is less than 5 mg/L</li> <li>Ponds may be retreated in 5 to 10 days if needed</li> <li>Do not treat ponds containing striped bass</li> </ul>	
	Salmon, trout, and esocid eggs	Control fungi of the family Saprolegniaceae	<ul style="list-style-type: none"> <li>1000-2000 ppm for 15 min.</li> </ul>	<ul style="list-style-type: none"> <li>Preliminary bioassay should be conducted to determine species sensitivity</li> </ul>		
	Hydrogen Peroxide	35% PEROX-AID® by Eka Chemicals Inc.; <a href="#">FOI Summary</a>	Freshwater-reared finfish eggs	Control mortality due to saprolegniasis	<ul style="list-style-type: none"> <li>Coldwater and coolwater: 500 to 1000 mg/L for 15 minutes in a continuous flow system once per day on consecutive or alternate days until hatch</li> <li>Warmwater: 750 to 1000 mg/L for 15 minutes in a continuous flow system once per day on consecutive or alternate days until hatch</li> </ul>	<ul style="list-style-type: none"> <li>Initial bioassay on a small number is recommended before treating the entire group</li> </ul>
			Freshwater-reared salmonids	Control mortality due to bacterial gill disease ( <i>Flavobacterium branchiophilum</i> )	<ul style="list-style-type: none"> <li>100 mg/L (30 minutes) or 50 to 100 mg/L (60 minutes) once per day on alternate days for three treatments</li> </ul>	<ul style="list-style-type: none"> <li>Initial bioassay on a small number is recommended before treating the entire group</li> </ul>
			Freshwater-reared coolwater finfish and channel catfish	Control mortality due to external columnaris disease ( <i>Flavobacterium columnare</i> / <i>Flexibacter columnaris</i> )	<ul style="list-style-type: none"> <li>Fingerling and adults (except northern pike and paddlefish): 50 to 75 mg/L (60 minutes) once per day on alternate days for three treatments</li> <li>Fry (except northern pike, pallid sturgeon, and paddlefish): 50 mg/L (60 minutes) once per day on alternate days for three treatments</li> </ul>	<ul style="list-style-type: none"> <li>Use with caution on walleye</li> <li>Initial bioassay on a small number is recommended before treating the entire group</li> </ul>

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<b>Immersion (con't)</b>					
Oxytetracycline hydrochloride	OxyMarine by Alpha Pharma Inc.; <a href="#">FOI Summary</a> & Oxytetracycline HCl Soluble Powder-343 by Phoenix Scientific, Inc <a href="#">FOI Summary</a> & TERRAMYCIN-343 Soluble Powder by Pfizer, Inc. <a href="#">FOI Summary</a> & TETROXY Aquatic Soluble Powder by Cross Vetpharm Group Ltd.	Finfish fry and fingerlings	Mark skeletal tissues	<ul style="list-style-type: none"> <li>200 to 700 mg oxytetracycline hydrochloride (buffered) per liter of water for 2 to 6 hours</li> </ul>	
Tricaine methanesulfonate	Finquel <sup>®</sup> by Argent Laboratories <a href="#">FOI Summary</a> and Tricaine-S by Western Chemical, Inc. <a href="#">FOI Summary</a>	Fish (Ictaluridae, Salmonidae, Esocidae, Percidae), aquatic amphibians, and other aquatic poikilotherms	Temporary immobilization	<ul style="list-style-type: none"> <li>15 to 330 mg/L (fish)</li> <li>1:1,000 to 1:20,000 (other poikilotherms)</li> </ul>	<ul style="list-style-type: none"> <li>Powder is added to water</li> <li>Concentration depends upon desired degree of anesthesia, species, size, water temperature and softness, stage of development; preliminary tests of solution should be made with a few fish</li> <li>21 day withdrawal time (fish); laboratory or hatchery use only in other poikilotherms --Water temperature over 50° F (10° C)</li> </ul>
<b>Injectable</b>					
Chorionic Gonadotropin	Chorulon <sup>®</sup> by Intervet Inc.; <a href="#">FOI Summary</a>	Male and female brood finfish	Aid in improving spawning function	<ul style="list-style-type: none"> <li>50 to 510 IU/lb males</li> <li>67 to 1816 IU/lb females</li> </ul>	<ul style="list-style-type: none"> <li>Intramuscular injection</li> <li>Up to three doses. Total dose not to exceed 25,000 IU in fish intended for human consumption</li> <li>Prescription product restricted to use by or on the order of a licensed veterinarian</li> </ul>
<b>Medicated Article/Feed</b>					
Oxytetracycline dihydrate	Terramycin <sup>®</sup> 200 for Fish by Phibro Animal Health <a href="#">FOI Summary</a> (coming soon)	Pacific salmon	Mark skeletal tissue	<ul style="list-style-type: none"> <li>250 mg/kg/day for 4 days</li> </ul>	<ul style="list-style-type: none"> <li>salmon &lt; 30 g</li> <li>In feed as sole ration</li> <li>7 day withdrawal time</li> </ul>
		Salmonids	Control ulcer disease, furunculosis, bacterial hemorrhagic septicemia, and pseudomonas disease ( <i>Hemophilus piscium</i> , <i>Aeromonas salmonicida</i> , <i>A. liquefaciens</i> , <i>Pseudomonas</i> spp.)	<ul style="list-style-type: none"> <li>2.5 to 3.75 g/100 lb/day for 10 days</li> </ul>	<ul style="list-style-type: none"> <li>In mixed ration</li> <li>21 day withdrawal time</li> </ul>
		Freshwater-reared salmonids	Control of mortality due to coldwater disease caused by <i>Flavobacterium psychrophilum</i>	<ul style="list-style-type: none"> <li>3.75 g/100 lb/day for 10 days</li> </ul>	<ul style="list-style-type: none"> <li>In mixed ration</li> <li>21 day withdrawal time</li> </ul>
		All freshwater-reared <i>Oncorhynchus mykiss</i>	Control of mortality due to columnaris associated with <i>Flavobacterium columnare</i>	<ul style="list-style-type: none"> <li>3.75 g/100 lb/day for 10 days</li> </ul>	<ul style="list-style-type: none"> <li>In mixed ration</li> <li>21 day withdrawal time</li> </ul>
		Catfish	Control of bacterial hemorrhagic septicemia and pseudomonas disease ( <i>A. liquefaciens</i> , <i>Pseudomonas</i> )	<ul style="list-style-type: none"> <li>2.5 to 3.75 g/100 lb/day for 10 days</li> </ul>	<ul style="list-style-type: none"> <li>In mixed ration</li> <li>Water temperature not below 62°F</li> <li>21 day withdrawal time</li> </ul>
		Lobster	Control of gaffkemia ( <i>Aerococcus viridans</i> )	<ul style="list-style-type: none"> <li>1 g/lb medicated feed for 5 days</li> </ul>	<ul style="list-style-type: none"> <li>In feed as sole ration</li> <li>30 day withdrawal time</li> </ul>
Sulfadimethoxine & ormetoprim	Romet <sup>®</sup> -30 & Romet <sup>®</sup> TC by Pharmaq AS	Salmonids	Control furunculosis ( <i>Aeromonas salmonicida</i> )	<ul style="list-style-type: none"> <li>50 mg/kg/days for 5 days</li> </ul>	<ul style="list-style-type: none"> <li>In feed</li> <li>42 day withdrawal time</li> </ul>
		Catfish	Control enteric septicemia ( <i>Edwardsiella ictaluri</i> )		<ul style="list-style-type: none"> <li>In feed</li> <li>3 day withdrawal time</li> </ul>
Sulfamerazine	Alpha Pharma, Inc.	Rainbow, brook, and brown trout	Control furunculosis	<ul style="list-style-type: none"> <li>10 g/100 lb/day for up to 14 days</li> </ul>	<ul style="list-style-type: none"> <li>In feed</li> <li>21 day withdrawal time</li> <li><b>Not currently available</b></li> </ul>

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Florfenicol	Aquaflor® by Schering-Plough Animal Health Corporation; <a href="#">FOI Summary</a>	Catfish	Control of mortality due to enteric septicemia of catfish associated with <i>Edwardsiella ictaluri</i>	<ul style="list-style-type: none"> <li>10 mg/kg/day for 10 consecutive days</li> </ul>	<ul style="list-style-type: none"> <li>Veterinary Feed Directive (VFD) drug</li> <li>12 day withdrawal time</li> </ul>
			Control of mortality due to columnaris associated with <i>Flavobacterium columnare</i>		<ul style="list-style-type: none"> <li>Veterinary Feed Directive (VFD) drug</li> <li>12 day withdrawal time</li> <li>Conditional Approval</li> <li>Must use Aquaflor®-CA1 product</li> </ul>
		Freshwater-reared salmonids	control of mortality due to furunculosis associated with <i>Aeromonas salmonicida</i>	<ul style="list-style-type: none"> <li>10 mg/kg/day for 10 consecutive days</li> </ul>	<ul style="list-style-type: none"> <li>Veterinary Feed Directive (VFD) drug</li> <li>15 day withdrawal time</li> </ul>
			Control of mortality due to coldwater disease associated with <i>Flavobacterium psychrophilum</i>		