§ 529.778 Doxycycline.

(a) Specifications. Doxycycline hyclate solution contains 8.5 percent doxycycline activity. A syringe of N-methyl-2-pyrrolidone and poly (DL-lactide) mixed with a syringe of doxycycline produces 0.5 milliliter of solution.

1These conditions are NAS/NRC reviewed and deemed effective. Applications for these uses need not include effectiveness data as specified by §514.111 of this chapter, but may require bioequivalency and safety information.
§ 529.1030 Formalin.

(a) Specifications. Formalin is an aqueous solution containing approximately 37 percent by weight of formaldehyde gas, U.S.P.

(b) Sponsors. See Nos. 049968, 050378, and 067188 in § 510.600(c) of this chapter.

(c) Conditions of use in dogs—(1) Amount. Apply subgingivally to periodontal pocket(s) of affected teeth.

(2) Indications for use. For treatment and control of periodontal disease.

(3) Limitations. Federal law restricts this drug to use by or on the order of a licensed veterinarian.

[79 FR 10973, Feb. 27, 2014]

§ 529.1030 Formalin.

(a) Specifications. Formalin is an aqueous solution containing approximately 37 percent by weight of formaldehyde gas, U.S.P.

(b) Sponsors. See Nos. 049968, 050378, and 067188 in § 510.600(c) of this chapter.

(c) [Reserved]

(d) Conditions of use. It is added to environmental water as follows:

(1) Indications for use. (i) Penaeid shrimp. For control of external protozoan parasites Bodo spp., Epistylis spp., and Zoothamnium spp.

(ii) All finfish. For control of external protozoa Ichthyophthirius spp., Chilodonella spp., Ichthyobodo spp., Ambiphrya spp., Epistylis spp., and Trichodina spp., and monogenetic trematodes Cleidodiscus spp., Gyrodactylus spp., and Dactylogyrus spp.

(iii) All finfish eggs. For control of fungi of the family Saprolegniaceae

(2) Amount. The drug concentrations required are as follows:

(i) For control of external protozoan parasites on shrimp:

<table>
<thead>
<tr>
<th>Shrimp</th>
<th>Concentration of formalin (microliters per liter)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Penaeid Shrimp</td>
<td>Tanks and raceways (up to 4 hours daily)</td>
</tr>
<tr>
<td></td>
<td>50 to 100 °F</td>
</tr>
</tbody>
</table>

1 Use the lower concentration when ponds, tanks, or raceways are heavily loaded with phytoplankton or fish to avoid oxygen depletion due to the biological oxygen demand by decay of dead phytoplankton. Alternatively, a higher concentration may be used if dissolved oxygen is strictly monitored.

2 Although the indicated concentrations are considered safe for cold and warm water finfish, a small number of each lot or pond to be treated should always be used to check for any unusual sensitivity to formalin before proceeding.

(ii) For control of external parasites on finfish:

<table>
<thead>
<tr>
<th>Aquatic species</th>
<th>Administer in tanks and raceways for up to 1 hour (microliter/liter or part per million (μL/L or ppm))</th>
<th>Administer in earthen ponds indefinitely (μL/L or ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salmon and trout: Above 50 °F</td>
<td>Up to 170</td>
<td>15 to 25 μL/L</td>
</tr>
</tbody>
</table>