



SEP 09 2010

I-010697-D-0117-OT

U.S. Fish & Wildlife Service
Aquatic Animal Drug Approval Partnership Program
Attention: David Erdahl, Ph.D.
Branch Chief, AADAP
4050 Bridger Canyon Road
Bozeman, MT 59715

Re: Amended food-use authorization for fish treated with florfenicol

Dear Dr. Erdahl:

You are authorized four additional species, muskellunge (*Esox masquinongy*), alligator gar (*Lepisosteus spatula*), clear creek gambusia (*Gambusia heterochir*), and bluegill (*Lepomis macrochirus*) for human and animal food use. Edible tissues derived from experimental animals treated under the conditions described in this letter may be marketed for human consumption, for use in animal feeds, or released into public waters for possible human consumption. This authorization is in response to your submission dated June 7, 2010, as amended June 25, 2010 (T-0118). This amended authorization for the use of AQUAFLO (florfenicol) Type A medicated article in muskellunge, alligator gar, clear creek gambusia, and bluegill is consistent with the public health.

AMENDED FOOD-USE AUTHORIZATION

DRUG IDENTITY	Aquaflor (florfenicol)
Dosage Form	Type A medicated article
SPECIES	Food fish
Class	Salmonidae, Ictaluridae, Percidae, Moronidae, <i>Micropterus</i> spp., <i>Oreochromis</i> ssp., <i>Paralichthys</i> ssp., <i>Seriola</i> spp. <i>Gadus morhua</i> (Atlantic cod), <i>Centropristis striata</i> (black sea bass), <i>Scorpaenichthys marmoratus</i> (cabezon), <i>Rachycentron canadum</i> (cobia), <i>Sparus aurata</i> (gilthead seabream), <i>Polyodon spathula</i> (paddlefish), <i>Atractoscion nobilis</i> (white sea bass), <i>Lates calcarifer</i> (barramundi), <i>Esox masquinongy</i> (muskellunge), <i>Lepisosteus spatula</i> (alligator gar), <i>Gambusia heterochir</i> (clear creek gambusia), and <i>Lepomis macrochirus</i> (bluegill)
Number of Animals	16 million (begin counting with D-0096 dated July 31, 2009)
PERMITTED DOSING REGIMEN	
Maximum Dose (or range)	10 to 15 mg/kg of fish/day
Route of Administration	Oral
Frequency and Duration of Dosing	Daily for 10 consecutive days
MINIMUM INVESTIGATIONAL WITHDRAWAL PERIOD	21 days for salmonids 28 days for nonsalmonids
MINIMUM INVESTIGATIONAL MILK DISCARD PERIOD	Not applicable
OTHER RESTRICTIONS OR CONDITIONS	Not for the use of florfenicol for indications for which AQUAFLOL or AQUAFLOL-CA1 are approved or conditionally approved.

This food-use authorization only applies to the treatment regimen stated above. Any change in the dosage regimen or the combining of this treatment with any other drug will require a separate food-use authorization. Drugs given to control animals must be administered in full compliance with the currently approved use. Your investigators should be made aware of their responsibilities under 21 CFR 511.1(b)(7)(ii) and (c)(1).

In addition, we remind you that a sponsor must submit specific information prior to each shipment or other delivery of the drug for clinical investigation in animals (see 21 CFR 511.1(b)(4)). You may file the notice of the drug shipment electronically to the Center for Veterinary Medicine (CVM). Please refer to the Center's electronic submission information on the CVM website at <http://www.fda.gov/cvm/esubstoc.html>. Alternatively, you can send three copies of the completed form to CVM. Furthermore, we note that clinical tests conducted under the provisions of this letter do not exempt investigational animals and their products from compliance with any other applicable inspection requirements (see 21 CFR 511.1(b)(5)(iii)).

INVESTIGATIONAL LABELING

The appropriate investigational labeling required under 511.1(a) or (b) must be affixed to your investigational drug product before shipping your drug product for studies conducted under 21 CFR 511.1(a) or (b), respectively. Affix the investigational label to each individual drug container.

COUNTING NUMBERS OF FISH

This authorization replaces our authorization letter dated June 2, 2010 (D-0115). From here forward, please reference the current authorization (D-0117) and continue counting the number of fish used since July 31, 2009 (D-0096).

Please provide the total number of fish used towards this authorization in your annual reports. We remind you that a fish treated more than once still only counts as a single fish toward the authorization.

Additional numbers of fish may be requested in the future. A request for additional fish should be made with sufficient lead time to allow us to process an amended authorization.

ANNUAL REPORTS

We remind you of the continued necessity to provide annual reports under the FDA/CVM Aquaculture Workload Plan. Your annual report should include: a) a brief summary of the past year's activities and accomplishments in each of the INAD technical sections; b) certification of accountability of all drugs shipped under the INAD, records maintenance for FDA inspection, and compliance with the provisions of 21 CFR Part 511, including notification of adverse effects relative to humans, target animals, or the environment resulting from the use of the investigational drug; c) a list of all investigators, facilities, and species treated; and d) a copy of the current study protocol(s) noting any modification or revision. We recommend that any changes to pivotal study protocols be reviewed by CVM prior to initiating further investigations.

ADDITIONAL COMMENTS

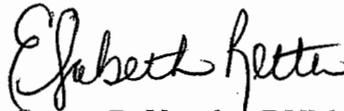
1. In order for us to complete our files, the disposition of all investigational animals and unused drugs must be reported to this office. Please refer to this letter by date and INAD

number when reporting the details of clinical investigations or the disposition of investigational animals.

2. Promptly report to this office any adverse reactions that may suggest significant safety hazards.
3. You should obtain a material safety data sheet (MSDS) for the investigational drug and follow the information in the MSDS to protect all individuals who may be exposed to the investigational drug.

If you submit correspondence relating to this letter, you should reference the date and the principal submission identifier found at the top of this letter. If you have any questions or comments, contact Dr. Cindy L. Burnsteel, Director, Division of Therapeutic Drugs for Food Animals, at 240-276-8341.

Sincerely,



SD Steven D. Vaughn, DVM
Director

Office of New Animal Drug Evaluation
Center for Veterinary Medicine