



U.S. Fish & Wildlife Service

The Aquatic Animal Drug Approval Partnership Program

Fact Sheet: Calcein INAD 10-987

INAD objective/purpose:	Collect supportive and/or pivotal data needed to establish the effectiveness of calcein to mark fin rays, scales, otoliths, and other calcified fish or selected mussel tissues, via immersion bath.
Drug name:	Calcein (SE-MARK [®])
Source of drug:	Western Chemical, Inc.
Address:	1269 Lattimore Road Ferndale, WA 98248
Contact:	Attention: Ron Malnor Phone: 1-800-283-5292; Fax: 360-384-0270; email: ronm@wchemical.com
Target pathogen(s):	Not applicable
Method of administration:	Immersion: standing-bath treatment only
Treatment dosage:	Option A: 125 - 250 milligrams calcein per liter Option B: 2.5 - 5.0 grams calcein per liter (finfish only)
Treatment regimen:	Option A: Treatment duration is 1 - 6 hr Option B: Treatment duration is 1 - 7 min (<u>Note:</u> Treatment may include a pretreatment with a 1 -5% salt solution for ~3.5 min.) Calcein may be applied as a single treatment, or repeated treatments.
Withdrawal period:	None for fish; they may be released immediately following treatment for those treated at less than 2 grams and for Federally Threatened and Endangered species. None for mussels; due to their treatment at an early life stage and the limited human consumption
Required test parameters:	Investigator must collect mark retention and mortality data. Investigator should also report general fish behavior and any adverse effects relating to treatment.
Limitations or restrictions on use of drug:	Treatment is restricted to finfish having a body weight of 2 grams or less. Treatment of mussels is restricted to the following species: Higgins eye, hickory nut, black sandshell, pocketbook, fat mucket, sheepnose and maple leaf. Repeated treatments may be conducted to establish multiple marks. However, an interval of at least 2 days should be observed between treatment events. No discharge of calcein marking solution is allowed. Although used calcein marking solution may be stored on station in a secure, leak-proof container, it must ultimately be disposed of according to procedures detailed in a general Waste-stream profile (see INAD Study Protocol for specific instructions). Investigator must follow all instructions in the Study Protocol for INAD 10-987 regarding drug acquisition and handling, fish treatment and disposition, and data reporting requirements.
Required INAD fee:	\$400.00 per facility per year
AADAP Contact Information:	Ms. Bonnie Johnson, FWS-AADAP Phone: 406-994-9905 Fax: 406-582-0242 email: bonnie_johnson@fws.gov
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