



## U.S. Fish & Wildlife Service

### The Aquatic Animal Drug Approval Partnership Program

# Fact Sheet: Calcein INAD 10-987

<b>INAD objective/purpose:</b>	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.
<b>Drug name:</b>	Calcein (SE-MARK <sup>®</sup> )
<b>Source of drug:</b>	Western Chemical, Inc.
<b>Address:</b>	1269 Lattimore Road Ferndale, WA 98248
<b>Contact:</b>	Jason Montgomery Phone: 800-283-5292; Fax: 360-384-0270 email: <a href="mailto:jasonm@wchemical.com">jasonm@wchemical.com</a> website: <a href="http://www.wchemical.com">http://www.wchemical.com</a>
<b>Target pathogen(s):</b>	Not applicable
<b>Method of administration:</b>	Immersion: standing-bath treatment only
<b>Treatment dosage:</b>	<b>Option A:</b> 125 – 250 milligram (mg) calcein per liter <b>Option B:</b> 2.5 - 5.0 gram (g) calcein per liter (finfish only)
<b>Treatment regimen:</b>	<b>Option A:</b> Treatment duration is 1 - 6 hr <b>Option B:</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.)
<b>Withdrawal period:</b>	Calcein may be applied as a single treatment, or repeated treatments. 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
<b>Required test parameters:</b>	Investigator must collect mark retention and mortality data. Investigator should also report general fish behavior and any adverse effects relating to treatment.
<b>Limitations or restrictions on use of drug:</b>	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.
<b>Required INAD fee:</b>	\$700.00/facility/year
<b>AADAP Contact Information:</b>	Ms. Bonnie Johnson, FWS-AADAP Phone: 406-994-9905 Fax: 406-582-0242 email: <a href="mailto:bonnie_johnson@fws.gov">bonnie_johnson@fws.gov</a>