Attachment 3
DFO Procedure For Baylucide Stock Solution:

Using Bayluscide 70% Wettable Powder:

For a 1.0 % additive rate using 25,000 mg/l TFM bioassay stock solution, the amount of Niclosamide required:

0.010 X 25,000 = 250 mg

Bayluscide WP is assumed to be 59% active ingredient; the amount of product required:

250/0.59 = 423.73 mg (0.4237g)

In order to facilitate transport, a more concentrated stock solution (superstock; 10 X more concentrated) is made and diluted for use in the field.

10 X 4.237 = 4237 mg (4.237g)

The 4.237 g of Bayluscide product is weighed on an analytical balance and brought to a volume of 1 liter with acetone.

In the field, use 100 ml of superstock solution and bring to 1 liter with distilled water for 1.0 % additive rate.

Notes:

Be certain to suspend the superstock solution with a magnetic stirrer as the 100 ml are being removed.

During bioassays, the Masterflex pump settings for both the TFM and Bayluscide stock solutions will be the same.

If the additive rate for the test is not 1.0 %, simply measure the appropriate amount of superstock solution (i.e. for 1.20 % additive, measure out 120 ml of superstock).

If the TFM stock solution is diluted to accommodate the desired concentration range in the toxicity test, the Niclosamide stock solution must be diluted at the same rate.

Using Bayluscide 20% Emulsifiable Concentrate:

For a 1.0 % additive rate and using 25,000 mg/l TFM bioassay stock solution, the amount of Niclosamide required:

0.010 X 25,000 = 250 mg

Bayluscide 20% Emulsifiable Concentrate is assumed to be 17 % active ingredient; the amount of product required:

250/0.17 = 1470.58 mg (1.47 g)

Dissolve in 500 ml methanol and bring to 1 liter using distilled water for a 250 ppm stock solution.

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