



## **MASTERTECH BULLETIN**

*(Revised 04/23/11)*

# BOUIN'S 2000™ TISSUE FIXATIVE

## **NO PICRIC ACID! LESS THAN 0.1% FORMALDEHYDE!**

### **A PLEASANT SMELLING, LOW-HAZARD, REPLACEMENT FOR TRADITIONAL BOUIN'S FLUID**

#### BOUIN'S 2000™, THE PRODUCT AND ITS PURPOSE:

Traditional Bouin's Fluid has always been an excellent tissue fixative for certain types of specimens, including gastrointestinal biopsies, skin, endocrine biopsies, embryonic tissue, and lymph nodes. It is also used as a post-fixative, or mordant, for trichrome stains. Unfortunately, traditional Bouin's Fluid contains 20% Formaldehyde and picric acid. Both of these chemicals are highly regulated by government agencies for health and environmental reasons. American Master\*Tech is proud to bring you **BOUIN'S 2000™**, the culmination of a two year research and development project to formulate a low-hazard tissue fixative and trichrome stain post-fixative/mordant that is a viable substitute for traditional Bouin's Fluid.

#### BOUIN'S 2000™, INSTRUCTIONS FOR USE:

No deviation from your current procedure is necessary when using **BOUIN'S 2000™** as a tissue fixative. When used as a post-fixative for trichrome stains, some minor adjustments are necessary. For best results, treat sections overnight at room temperature. If overnight treatment is impractical, heat **BOUIN'S 2000™** in a waterbath and incubate sections for 90 minutes at 60°C. Sections can also be treated in **BOUIN'S 2000™** for 2 hours in a 60° C laboratory oven. Unlike traditional Bouin's Fluid, **BOUIN'S 2000™** can be safely heated in a microwave oven. Place 50ml of **BOUIN'S 2000™** in a coplin jar and heat in a microwave until solution reaches 60° to 70°C. Remove coplin jar from the microwave and stir solution to equalize temperature. Insert slides and incubate for 10 to 15 minutes. Rinse sections for 2 to 3 minutes in warm running tap water before proceeding to the next step in the stain procedure.

#### BOUIN'S 2000™, PRECAUTIONS:

As with traditional Bouin's Fluid, tissue should not be left in **BOUIN'S 2000™** for longer than 48 hours. Red blood cells may be lysed due to the acetic nature of **BOUIN'S 2000™**.

#### BOUIN'S 2000™, DISPOSAL:

Dispose **BOUIN'S 2000™** in accordance with all local, state, and federal environmental regulations.

#### BOUIN'S 2000™, EXPIRATION:

**BOUIN'S 2000™** is stable under typical laboratory conditions; store **BOUIN'S 2000™** at room temperature. Product shelf life is 1 year.

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