

Sanderson's Rapid Bone Stain

Staining Protocol

By Dorn & Hart Microedge

1. Preheat the RBS to 55-60 degrees Celsius in a water bath or oven.
2. Stain for 30 seconds to 2 minutes in the RBS
3. Rinse stained sections in warm tap water to remove excess stain and dry section with a laboratory wipe.
4. Counterstain with either room temperature acidified acid fuchsin (found in the green AFIP manual) for 10-15 seconds, drain the stain off the section and then wipe the section with a laboratory wipe. Or room temperature van Gieson for 2 minutes, dehydrate quickly through 95%-100% ETOH and wipe section dry. If the bone is fluorochrome labeled use the acid fuchsin.

RESULTS

Acid fuchsin counterstain

osteoid	blue
cells within marrow	blue
soft tissues	blue
mineralized bone	pink

van Gieson counterstain

osteoid	blue-green
cells within marrow	blue
soft tissues	blue-green
mineralized bone	yellow-orange