

Alizarin Red S

Product name: Alizarin Red S Stain Kit

Catalog No.: TASS09

Introduction:

Alizarin Red S is an anthraquinone derivative, which is a method commonly used to observe the distribution of calcium salts in tissues. During the dyeing process, calcium salt will react with Alizarin Red S molecules to form an Alizarin Red S-calcium complex in a chelation process, and the end product is birefringent.

Form:

Catalog No.	Size
TASS09-125	125ml
TASS09-250	250ml

Kit Contents (for 125/250ml kit):

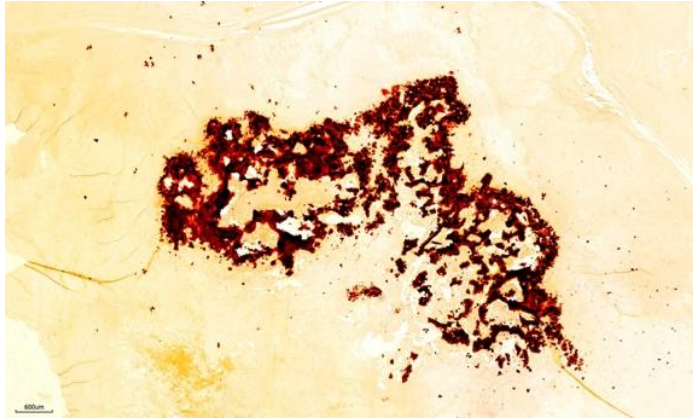
Kit Contents	Format	Recommend time	Storage
Alizarin Red S Solution	Ready to use,125/250ml	5minutes.	25-28°C
Control slide x 2	bone	--	25-28°C
Reagent necessary but not included: 1. 100% Actone 2. Xylene			

Staining Protocol Recommendations:

1. De-paraffinize slides to distilled water.
2. Stain slides with the Alizarin Red Solution for 30 seconds to 5 minutes and observe the reaction microscopically. Usually, 2 minutes will produce nice red-orange staining of calcium.
3. Shake off excess dye and blot sections.
4. Dehydrate in acetone, 20 dips. Then in Acetone-Xylene (1:1) solution, 20 dips.
5. Clear in xylene and mount in a synthetic mounting medium.

Results:

Calcium deposits (except oxalate) ----- orange-red



Positive Controls:

Bone (Incompletely decalcified specimen)

Storage and Stability:

Please read the kit contents and follow the storage condition. The user must validate any other storage conditions. When properly stored, the reagent is stable until the date indicated on the label. Do not use the reagent beyond the expiration date. If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical: info@biotna.net