



Visikol[®] TOX[™] Alizarin Staining Technique: GD28 Rabbit Fetus



Introduction

This protocol is intended for use with fetal rabbits in developmental and reproductive toxicology (DART) studies. Visikol TOX greatly reduces the time required for staining skeletal systems for DART studies.

Protocol

1. Eviscerate and skin fetuses.
2. Dehydrate in 95% ethanol (or isopropanol) for (at least) 24 hours.
3. Place into Visikol TOX Pre-Treatment Solution at room temperature for at least 4 hours (max. overnight) (800 mL for 8 rabbit fetuses).
4. After soaking in the Pre-Treatment Solution, briefly (~5 min) rinse the specimens in deionized water. Be sure all of the Visikol TOX Pre-Treatment solution has been washed before staining.
5. Prepare Alizarin Red S staining solution by dissolving 20 mg Alizarin Red S in 500 mL of 1% KOH (Prepare fresh prior to use) for 24 hours. 800 mL of stain is required for 8 rabbit fetuses.
6. Remove from stain solution and transfer directly into Visikol TOX Post-stain solution for 4-6 hours (800 mL for 8 rabbit fetuses). Animals may be left in this solution indefinitely.
7. Specimens are transferred to Visikol TOX Clearing solution until clear (800 mL for 8 rabbit fetuses, leave 2-12 hours, may be left overnight)
8. After clearing, specimens may be stored in Visikol TOX clearing solution indefinitely, or they may be transferred to aqueous glycerol for storage.

Contact

For any questions on the Visikol TOX process reach out to info@visikol.com