

# ROWLEY BIOCHEMICAL INC.

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## C. BONE AND CALCIUM STAINS

PRODUCT NO.	STAINING METHOD/REAGENTS
	<b>SCHMORL'S METHOD FOR SECTIONS</b> <i>Mallory (1938); Schmorl (1899)</i> <p style="text-align: right;"><b>Lucunae and canaliculi</b></p>
* C - 200 - 1	Nicoll's Carbol Thionin Solution <b>OR</b>
C - 200 - 1A	Thionin Solution, 0.05% in 10% alcohol
C - 200 - 2	Picric Acid Solution, Sat'd, Aqueous
	<b>CANALICULI AND LACUNAE STAIN</b> <i>Powers, Rasmussen, and Clark (1951)</i> <p style="text-align: right;"><b>For bones and teeth</b></p>
C - 201 - 1	Cupric Nitrate, 1%, Aqueous
C - 201 - 2	Protargol Solution, 1%, Aqueous
C - 201 - 3	Copper, Shot
C - 201 - 4	Hydroquinone Reducing Solution
C - 201 - 6	Gold Chloride, 1%, Aqueous
C - 201 - 7	Oxalic Acid, 2%, Aqueous
C - 201 - 8	Sodium Thiosulfate, 5%, Aqueous
	<b>MODIFIED ALIZARIN RED S FOR FETAL SPECIMENS</b> <i>Cumley, Crow, and Griffin (1939)</i> <p style="text-align: right;"><b>Minute bones and fetal ossification in mammalian embryos</b></p>
C - 204 - 1	Alizarin Red S, 0.01%, Aqueous
C - 204 - 2	Potassium Hydroxide, 1%, Aqueous
* C - 204 - 2A	Potassium Hydroxide, 10%, Aqueous
* C - 204 - 3	Glycerol-Potassium Hydroxide
	<b>ALIZARIN RED S AND TOLUIDINE BLUE O</b> <i>Williams (1941); Dawson (1926)</i> <p style="text-align: right;"><b>Distinction between bone and cartilage in mammalian embryos</b></p>
C - 205 - 1	Alizarin Red S, .002%, Aqueous
C - 205 - 1A	Potassium Hydroxide, 4%, Aqueous
C - 205 - 2	Toluidine Blue O, 0.25%
* C - 205 - 3	Ammonium Alcohol
C - 205 - 5	Potassium Hydroxide, 2%, Aqueous
* C - 205 - 6	Sulfuric Acid-Alcohol
	<b>ALIZARIN RED S FOR CALCIUM DEPOSITS</b> <i>McGee-Russell (1958)</i> <p style="text-align: right;"><b>Calcium deposits</b></p>
C - 206 - 1	Alizarin Red S, 2%, PH 4.2
* C - 206 - 2	Reagent Alcohol, 50%
* C - 206 - 3	Acetone
* C - 206 - 4	Acetone-Xylene
	<b>KOSSA'S METHOD FOR CALCIUM</b> <i>Mallory (1961)</i> <p style="text-align: right;"><b>Calcium salts, nuclei and cytoplasm</b></p>
* C - 211 - 1	Silver Nitrate, 5%, Aqueous
C - 211 - 2	Nuclear Fast Red (Kernechtrot) Solution
C - 211 - 3	Sodium Thiosulfate, 5%, Aqueous
	<b>PIZZOLATO'S METHOD FOR CALCIUM OXALATE</b> <i>(1964)</i> <b>Calcium Oxalate</b> <p style="text-align: right;"><b>Calcium Oxalate</b></p>
* C - 212 - 1	Silver Nitrate, 5%, Aqueous
* C - 212 - 2	Hydrogen Peroxide, 30%
C - 212 - 3	Nuclear Fast Red (Kernechtrot) Solution

\* denotes extra hazard charge