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TECHNICAL INFORMATION

Catalog Number: 153879

Carbonic anhydrase

Formula Weight: 30,000

Source: *Bovine erythrocytes*

Physical Description: White to beige lyophilized powder

Unit Definition: The Unit is determined by the electrometric method in which the time required (in seconds) for a saturated CO₂ solution to lower the pH of 0.02M Tris-HCl buffer from 8.3 to 6.3 at 0°C is determined. The time without enzyme is recorded at T₀; with enzyme T. One unit equals 2X (T₀-T)/T using the electrometric assay. ¹

Availability: Available in sizes - 10mg, 25mg, 100mg

Solubility: Soluble in distilled water or dilute buffer

Reference:

– Wilbur and Anderson, *J. Biol. Chem.*, **176**, 147 (1948)