

Bilirubin Conjugate, Sodium Ditaurate

Catalog No.	CNP005A	Quantity:	25 mg
	CNP005B		100 mg
	CNP005C		1 g

Alternate Names: Bilirubin Ditaurate, BDT

Description: Bilirubin is chemically bound to a glucuronide in the liver, which is excreted in bile by the liver and stored in the gallbladder or transferred to the duodenum.

Bilirubin Conjugate is synthesized. Bilirubin Conjugation, direct reacting bilirubin is a highly water soluble, high purity, synthetic ditaurine bilirubin derivative. The chemical behavior of bilirubin conjugate direct reacting bilirubin compound with regards to diazotizing reagents and conditions is identical within experimental limits to that of purified natural bilirubin glucuronides.

The solubility and chromatographic behaviors of conjugated bilirubin product are comparable to the glucuronides, indicating similar polarities and solvation properties. Clinically the most important characteristic of direct reacting bilirubin to bilirubin conjugate is its diazo reactivity in the absence of accelerators.

Molecular Weight: 842.9 kDa

Formulation: Lyophilized

Purity: Total Bilirubin: 60-80% by weight.
Direct Bilirubin: $\geq 90\%$ of total, $\geq 50\%$ by weight.
Maximum at 448 - 452nm
Minimum at 324 - 330nm

Appearance: Orange to reddish brown

Solubility: Clear, yellow to brown solution at 1 mg/ml, in 0.1 mM EDTA, pH 7.5

Reconstitution: Prepare at 1 mg/ml in 0.1 mM EDTA, pH 7.5, **Protect from light and air.**

Storage & Stability: **Very hygroscopic. Protect from light.** Store unopened, desiccated under inert atmosphere at -20°C to -80°C for up to 1 year. **Avoid repeated freeze-thaw cycles.**

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