

Sodium Citrate Buffer, 0.5M, pH 5.0

Cat. No.:	HY-B1610J	
Target:	Biochemical Assay Reagents	
Pathway:	Others	
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)	Sodium Citrate Buffer, 0.5M, pH 5.0

BIOLOGICAL ACTIVITY

Description

Sodium citrate buffer, 0.5M, pH 5.0, is a commonly used buffer with main components are citric acid and sodium hydrogen phosphate. Sodium citrate buffer, 0.5M, pH 5.0 is used in heat induced epitope retrieval (HIER) methods to reverse the loss of antigenicity that occurs with some epitopes in formalin-fixed paraffin embedded tissues. Sodium citrate buffer, 0.5M, pH 5.0 is the preferred solution for most antibodies^[1]. Sodium citrate buffer, 0.5M, pH 5.0 is used as solution for captisol in animal tumor models^[2].

REFERENCES

- [1]. L M Sammel, et al. Investigation of mechanisms by which sodium citrate reduces the pink color defect in cooked ground turkey. Meat Sci. 2006, 72, 4.
- [2]. Hallin J, et al., Anti-tumor efficacy of a potent and selective non-covalent KRASG12D inhibitor. Nat Med. 2022 Oct;28(10):2171-2182.

Caution: Product has not been fully validated for medical applications. For research use only.

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