

## Sodium Citrate Buffer, 0.1M, pH 4.0

Cat. No.:	HY-B1610N	
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, 0.1M, pH 4.0

### BIOLOGICAL ACTIVITY

#### Description

Sodium citrate buffer, 0.1M, pH 4.0, is a commonly used buffer with main components are citric acid and sodium hydrogen phosphate. Sodium citrate buffer, 0.1M, pH 4.0 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, 0.1M, pH 4.0 is the preferred solution for most antibodies<sup>[1]</sup>. Sodium citrate buffer, 0.1M, pH 4.0 is used in the hydration of liposome film<sup>[2]</sup>.

### 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]. Huang C, e al., Liver-Specific Ionizable Lipid Nanoparticles Mediated Efficient RNA Interference to Clear "Bad Cholesterol". Int J Nanomedicine. 2023 Dec 19;18:7785-7801.

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

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