



## Certificate of Analysis

### Description of the Material:

- (a) Product Name: HIC Buffer A
- (b) Formulation: 0.1M sodium phosphate, 1.8 M ammonium sulfate, pH 7.0 (upon dissolution).
- (c) Product Number: CM02025.1-1000ML
- (d) Appearance: Clear solution
- (e) Amount: 1000 mL upon dissolution in water.

### Material Code and Batch Number:

- (a) Lot Number: S651.S2.0416F

### Specifications and Results:

Tests	Specification(s)	Results
Appearance (Turbidity)	Clear	pass
Appearance (Color)	Colorless	pass
UV at 220 nm (1 cm path length)	$\leq 0.20$	0.12 (pass)
UV at 280 nm (1 cm path length)	$\leq 0.06$	0.02 (pass)
pH (at 25 °C)	$7.0 \pm 0.1$	7.02 (pass)
Molar concentration of phosphate	$0.1 (\pm 10\%)$	pass
Molar concentration of ammonium sulfate	$1.8 (\pm 10\%)$	pass

**Intended use:** For research and development use only.

**Hazard information:** Not a hazardous material.

### Storage and Solution Stability

- **Undissolved HIC Buffer A** is stable at ambient temperature for up to 5 years.
- **Reconstituted HIC Buffer A** should be stored at room temperature and is stable for up to 1 year. Do not store at 2–8 °C to avoid salt crystal formation.