



FORENSICS



## SELECT pH BUFFER POUCHES



## Select pH Buffer Pouches

To help simplify the process of sample preparation, UCT has developed a line of 'ready-to-use' phosphate and acetate buffer pouches. The UCT buffer pouches are a convenient way of accurately preparing the necessary reagents, at the proper pH and concentration, for solid phase extraction methods. These pre-measured pouches eliminate time and more importantly, any potential error in the buffer preparation, insuring the highest efficiency in the extraction method. As with all UCT products, these buffer pouches are prepared with the same high quality standards used in the manufacture of the entire line of SPE products.

- **Select pH Buffer Pouches 100mM Acetate pH 4.5**

**Part Number:** SPHACE4501-5 (Pack of 5)  
SPHACE4501-10 (Pack of 10)

**Contents:** 5.86 g Sodium Acetate Trihydrate

**Instructions:** Add 300 mL of deionized water to a 500 mL volumetric flask. Mix in the contents of the buffer pouch and shake/stir well. Add 3.24 mL of glacial acetic acid to the volumetric flask and dilute to the mark with deionized water. Ensure pH is 4.5+/-0.5.

**Yield:** 500 mL of solution

- **Select pH Buffer Pouches 100mM Acetate pH 5.00**

**Part Number:** SPHACE5001-5 (Pack of 5)  
SPHACE5001-10 (Pack of 10)

**Contents:** 4.29 g Sodium Acetate Trihydrate

**Instructions:** Add 300 mL of deionized water to a 500 mL volumetric flask. Mix in the contents of the buffer pouch and shake/stir well. Add 1.04 mL of glacial acetic acid to the volumetric flask and dilute to the mark with deionized water. Ensure pH is 5.0+/-0.5.

**Yield:** 500 mL of solution

- **Select pH Buffer Pouches 1M Acetate pH 5.0**

**Part Number:** SPHACE5010-5 (Pack of 5)  
SPHACE5010-10 (Pack of 10)

**Contents:** 42.9 g Sodium Acetate Trihydrate

**Instructions:** Add 300 mL of deionized water to a 500 mL volumetric flask. Mix in the contents of the buffer pouch and shake/stir well. Add 10.4 mL of glacial acetic acid to the volumetric flask and dilute to the mark with deionized water. Ensure pH is 5.0+/-0.5.

**Yield:** 500 mL of solution

- **Select pH Buffer Pouches 100mM Phosphate pH 6.0**

**Part Number:** SPHPHO6001-5 (Pack of 5)  
SPHPHO6001-10 (Pack of 10)

**Contents:** 1.70 g Disodium Hydrogen Phosphate and 12.14 g Sodium Dihydrogen Phosphate Hydrate

**Instructions:** Add 600 mL of deionized water to a 1000 mL volumetric flask. Add in the contents of the buffer pouch and mix/stir. Dilute to the mark with deionized water. Ensure the pH is 6.0+/-0.5.

**Yield:** 1000 mL of solution

- **Select pH Buffer Pouches 100mM Phosphate pH 7.0**

**Part Number:** SPHPHO7001-5 (Pack of 5)  
SPHPHO7001-10 (Pack of 10)

**Contents:** 7.82 g Disodium Hydrogen Phosphate and 6.22 g Sodium Dihydrogen Phosphate Hydrate

**Instructions:** Add 600 mL of deionized water to a 1000 mL volumetric flask. Add in the contents of the buffer pouch and mix/stir. Dilute to the mark with deionized water. Ensure the pH is 7.0+/-0.5.

**Yield:** 1000 mL of solution



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