

## AfCS Solution Protocol

**Reagent name:** Phosphate buffered saline, pH 7.4, 10X

**Reagent name abbreviation:** 10X PBS, pH 7.4

**Protocol ID:** PS00000041

**Version:** 01

**Volume:** 1 L

**Components:**

| Reagent  | Source         | Catalog or Protocol No. | F.W. or Stock Conc. | Quantity | Final Concentration |
|--|----------------|-------------------------|---------------------|----------|---------------------|
| Sodium chloride (NaCl)                               | Fisher Biotech | BP358212                | 58.44               | 80 g     | 1.37 M              |
| Potassium chloride (KCl)                             | Fisher Biotech | BP366500                | 74.56               | 2 g      | 26.8 mM             |
| Sodium phosphate (Na <sub>2</sub> HPO <sub>4</sub> ) | Sigma-Aldrich  | S7907                   | 142                 | 14.2 g   | 0.1 M               |
| Potassium phosphate (KHPO <sub>4</sub> )             | Sigma-Aldrich  | P5379                   | 136.1               | 2.4 g    | 17.6 mM             |
| Hydrochloric acid (HCl), 1 N                         | None           | PS00000034              | NA                  | NA       | 1 N                 |

**Preparation:**

1. Dissolve chemicals in 800 ml of purified water by stirring in a beaker.
2. Adjust pH to 7.4 with 1 N HCl.
3. Transfer to a graduated cylinder and adjust volume to 1 L with purified water.
4. Sterilize by filtering through a 0.2- $\mu$ m filter flask or autoclaving.

**Storage:**

Temperature: Room temperature

Location: \_\_\_\_\_

Aliquot size: NA

Special instructions: None

**Author:** Joella Grossoehme

**Date:** 12/06/01

**Approved:** Zhen Yan

**Comments:** None