

## Phosphate Buffered Saline aka PBS

Dissolve the following in 800 ml MQ H<sub>2</sub>O.

8 g NaCl  
0.2 g KCl  
1.44 g Na<sub>2</sub>HPO<sub>4</sub>  
0.24 g KH<sub>2</sub>PO<sub>4</sub>

Adjust the pH.  
Add MQ H<sub>2</sub>O to 1L.  
Sterilize to autoclave.  
Store at RT.

Make 1L of PBS pH 7 and 1L PBS pH 8, then mix accordingly to obtain desired pH.

For soils, will want PBS at pH ~7.4.

300 ml PBS pH 7 + 200 ml PBS pH 8 = 0.5 L PBS pH 7.4.