

Status: Currently Official on 16-Feb-2025  
 Official Date: Official as of 01-Dec-2021  
 Document Type: Reagents  
 DocId: GUID-F0923511-A19C-499D-BD55-E5B19FEFC6AC\_2\_en-US  
 DOI: [https://doi.org/10.31003/USPNF\\_R8082\\_02\\_01](https://doi.org/10.31003/USPNF_R8082_02_01)  
 DOI Ref: 9u8tb

© 2025 USPC  
 Do not distribute

**Add the following:**

## ▲ pH 7.4 Phosphate Buffered Saline TS

—Transfer 80 g of [sodium chloride](#), 2.0 g of [potassium chloride](#), 14.4 g of [anhydrous dibasic sodium phosphate](#), and 2.4 g of [monobasic potassium phosphate](#) to a 1-L volumetric flask containing about 800 mL of [water](#). Mix until completely dissolved. Adjust with [diluted hydrochloric acid](#) to a pH of 7.4. Dilute with [water](#) to volume. Sterilize by autoclaving.

[NOTE—Commercially available pH 7.4 phosphate buffered saline solutions can be used.]

▲ (USP 1-Dec-2021)

**Auxiliary Information** - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
PH 7.4 PHOSPHATE BUFFERED SALINE TS	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

**Most Recently Appeared In:**

Pharmacopeial Forum: Volume No. 46(4)

**Current DocID:** [GUID-F0923511-A19C-499D-BD55-E5B19FEFC6AC\\_2\\_en-US](#)

**DOI:** [https://doi.org/10.31003/USPNF\\_R8082\\_02\\_01](https://doi.org/10.31003/USPNF_R8082_02_01)

**DOI ref:** [9u8tb](#)