

 **Ludger**  
**LudgerSep™ Buffers**  
 for WAX and HPLC Analysis  
 of Glycans

			
Catalogue #	<b>LS-C-BUFFX4</b>	<b>LS-N-BUFFX40</b>	<b>LS-R-BPTX10</b>
Buffer	<b>LudgerSep C Buffer x4 Concentrate</b>	<b>LudgerSep N Buffer x40 Concentrate</b>	<b>LudgerSep R BPT solvent x10 concentrate</b>
Application	Used in WAX (weak anion exchange) HPLC analysis of labeled glycans	For preparation of LS-N buffer (50 mM ammonium formate buffer, pH 4.4) used in amide or HILIC (hydrophilic interaction liquid chromatography) HPLC analysis of labeled glycans	For preparation of butylamine/orthophosphoric acid/tetrahydrofuran solvent (BPT) used in monosaccharide HPLC analysis.
Description	2.0M ammonium formate buffer/solution pH9.0	50ml of x40 LS-N buffer (2.0M ammonium formate buffer/solution)	50 mL of x10 LS-BPT solvent
Usage	Dilute the whole contents of the bottle (50mL) with 150 mL HPLC grade water, then add 50 mL acetonitrile to make LS-C solvent (500 mM ammonium formate H 9, 20% acetonitrile v/v). The 50 mL of x4 buffer will make 250 mL of LS-C solvent.	Dilute with de-gassed HPLC grade water (use 1 part of x40 buffer to 39 parts of water) to make LS-N buffer (50 mM ammonium formate, pH 4.4). The 50 ml of x40 buffer will make 2 litres of LS-N buffer.	Dilute with de-gassed HPLC grade water use 1 bottle of LS-R-BPTX10 solvent to 450 mL of water. The 50 mL of x10 solvent will make 500 mL of BPT solvent.
Storage	Store unopened bottle below 25 °C. As with any HPLC solvent we recommend preparation of immediately before use.	Store unopened bottle below 25 °C. As with any HPLC solvent we recommend preparation of the solvent immediately before use.	Store unopened bottle at 4 °C. As with any HPLC solvent we recommend preparation of the solvent immediately before use.
Product Guide	<a href="#">ludger-ls-c-buffx4-guide</a>	<a href="#">ludger-ls-n-buffx40-guide</a>	<a href="#">ludger-ls-r-bptx10-guide</a>