

DeOlmos Solution

Storage solutions are used to maintain antigenicity so that immunocytochemical reactions can be performed on sections that are stored. These solutions use sucrose and ethylene glycol mostly, which preserves tissue and keeps the tissue from cracking when it is frozen. Store at -20°C .

Procedure 1:

Mix:

300g sucrose
10g polyvinyl pyrrolidone
300 ml ethylene glycol
700 ml 0.06M PB

0.6M Phosphate buffer

11.25g sodium phosphate heptahydrate $\text{NaHPO}_4 \cdot 7\text{H}_2\text{O}$
2.12 g sodium phosphate monobasic $\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$
00 ml dH_2O

Note: Warm gently to dissolve sucrose, then add polyvinylpyrrolidone when cool, and then add ethylene glycol.

Store at 4°C for up to 1 year.

Procedure 2:

Mix:

30% sucrose
30% ethylene glycol
0.1 M Phosphate Buffer, pH 7.4

Procedure 3:

Mix:

150 g sucrose
150 ml ethylene glycol
q.s. to 500 ml with 0.1M Phosphate buffer, pH 7.4