

Instruction Card

Buffer capsules for pH sensor calibration K1521TA, K1521TB, K1521TC, K1521TD, K1521TE, K1521TF

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Document Purpose:

This document provides instructions for correctly using buffer capsules to prepare pH sensor calibration buffers. It does not cover safety precautions. For hazard information and proper chemical handling, refer to the Safety Data Sheet (SDS) included in the product packaging.

How to use the buffer capsules:

Step 1

Check the bottle specifications to ensure the correct pH per temperature and that the capsules are still within their shelf life.

Step 2

Dissolve the appropriate number of capsules, based on the selected buffer option (see Table 1), in 100 mL of demineralized water.

Step 3

Stir the solution until the contents of capsule completely dissolved. Capsule residue may be left in the buffer solution, which does not affect the pH buffer's functionality.



Table 1: Description of the available buffer capsules part number options

Part Number	Description	Capsule quantity required for step 2	Stabilization time	Color	Quantity
K1521TA*	Buffer Capsules for pH 1.68 @25°C	2 capsules per 100 mL of demineralized water	< 20 min while stirring @25°C	Blue	1 bottle with e80 capsules
K1521TB*	Buffer Capsules for pH 4.01 @25°C	2 capsules per 100 mL of demineralized water	< 5 min while stirring @25°C	Pink	1 bottle with e80 capsules
K1521TC*	Buffer Capsules for pH 6.87 @25°C	1 capsule per 100 mL of demineralized water	< 5 min while stirring @25°C	Orange	1 bottle with e80 capsules
K1521TD*	Buffer Capsules for pH 10.01 @25°C	1 capsule per 100 mL of demineralized water	< 5 min while stirring @25°C	Green	1 bottle with e80 capsules
K1521TE*	Buffer Capsules for pH 12.45 @25°C	1 capsule per 100 mL of demineralized water	< 5 min while stirring @25°C	Transparent	1 bottle with e80 capsules
K1521TF	Buffer Capsules Combo package for pH 4.01/6.87/10.01 @25°C	refer to each pH value option	refer to each pH value option	Pink/ Orange/ Green	3 bottles with e80 capsules per bottle

* Certificate of Analysis(CoA) will be uploaded to the [Customer Portal](#) and can be downloaded with the Serial Number on the bottle