

pH Buffer Solutions

Reagecon manufactures the most comprehensive range of pH Buffer Solutions and Standards on the marketplace





pH Buffer Solutions

Reagecon's Extensive Range of pH Buffers



Reagecon manufacture the most extensive range of pH Buffer Solutions, Standards and Reagents on the marketplace, which are designed to suit all end user requirements. The range includes pH Buffer Solutions tested at 20°C and 25°C, pH Buffer Capsules, High Resolution Buffers, Low Ionic Strength Buffers and Colour Coded Buffers. The pH range covered is from pH 1.00 to pH 13.00 inclusive with all buffers manufactured to exacting specifications and have an extended shelf life.

Packaging Options

Aside from regular bottles, there are several packaging options available for the Reagecon pH Buffer Solutions:

Twin Neck Bottles:

Ideal for use with portable pH meters. These bottles contain an integral calibration chamber which prevents contamination and also removes the need to carry a separate measuring container or to decant buffers for use in the field.

Bag-in-Box Containers:

This consists of a cardboard box with a collapsible plastic liner. Every Bag-in-Box container is supplied with a tap to allow the contents to be easily dispensed.



Capsules:

Presenting pH Buffers in capsule format is an innovative concept developed by Reagecon.



RECAL Buffers:

This is a range of pH Buffers provided in a wide mouth disposable container, which can be used for direct calibration of the electrode and then discarded on completion.

Traceability

All of Reagecon's pH Buffer Solutions and Standards are traceable to the IUPAC pH scale by an unbroken chain of traceability. This traceability is achieved through a series of comparisons, with the key reference materials being Standard Reference Materials (SRMs) manufactured by NIST.

For proof of traceability, all of these comparisons must be made in a technically valid manner and the accuracy of each step must be quantified by calculating the associated Uncertainty of Measurement. Reagecon's pH Buffer Solutions and Standards meet the ISO definition of traceability: "The ability to relate measurements back to a stated reference (usually an international standard) through an unbroken chain of comparisons, each having stated uncertainties of measurement".

Reagecon's traceability claims are guaranteed by our accreditation to ISO/IEC 17025 (INAB Ref: 264T). Traceable analysis is necessary for consistency and universal acceptance of your pH results - including acceptance by regulatory bodies.



Stability

Reagecon's pH Buffer Solutions and Standards have been specially formulated to ensure their stability. The packaging bottles have been selected and tested to provide maximum stability. In order to validate the shelf life of our buffers, stability trials have been conducted on both freshly opened and part full bottles.

Reagecon's pH Buffers will stay within their specification limits up to the stated expiry regardless of when the bottle was first opened (provided the pH buffer is stored in accordance with good laboratory practice). Most of Reagecon's pH Buffers have an expiry date of either 2 years or 3 years from date of manufacture.

pH Buffers at 20°C

Clear, Colourless pH Buffer Solutions. Tested at 20°C, certified by Reagecon's ISO 17025 (INAB Ref: 264T) Accredited Test Method, NIST traceable and presented in various pack sizes.

pH Buffers at 25°C

Clear, Colourless pH Buffer Solutions. Tested at 25°C, certified by Reagecon's ISO 17025 (INAB Ref: 264T) Accredited Test Method, NIST traceable and presented in various pack sizes.

Colour Coded Buffers at 20°C

Coloured pH Buffer Solutions. Tested at 20°C, certified by Reagecon's ISO 17025 (INAB Ref: 264T) Accredited Test Method, NIST traceable and presented in various pack sizes.

Colour Coded Buffers at 25°C

Coloured pH Buffer Solutions. Tested at 25°C, certified by Reagecon's ISO 17025 (INAB Ref: 264T) Accredited Test Method, NIST traceable and presented in various pack sizes.

Twin Neck Bottle Format



- No possibility of contamination
- No need for separate measuring container for use in the calibration of the electrode
- Correct quantity of buffer required for calibration is dispensed into the calibrating chamber giving rise to no waste
- Ideally suited for field work
- Easy to carry
- 250ml, 500ml and 1L sizes available

Twin Neck Bottle Format at 20°C

Coloured pH Buffer solutions in Twin-neck containers with integrated calibrating chamber. Tested at 20°C and certified by Reagecon's ISO/IEC 17025 (INAB Ref:264T) Accredited Test Method. NIST traceable and presented in various pack sizes.

Twin Neck Bottle Format at 25°C

Coloured pH Buffer solutions in Twinneck containers with integrated calibrating chamber. Tested at 25°C and certified by Reagecon's ISO/IEC 17025 (INAB Ref:264T) Accredited Test Method. NIST traceable and presented in various pack sizes.



pH Buffer Standards NIST Values at 20°C

Clear, colourless NIST Value pH Buffer Solutions which are tested at 20°C, certified by Reagecon's ISO/IEC 17025 (INAB Ref: 264T) Accredited Test Method, NIST traceable and presented in 500ml bottles.

pH Buffer Standards DIN 19266 Values at 25°C

Clear, Colourless DIN Value pH Buffer Solutions. Tested at 25°C and certified by Reagecon's ISO/IEC 17025 (INAB Ref:264T) Accredited Test Method. NIST traceable and presented in 500ml bottles. Other pack sizes available upon request.

pH Buffer Standards DIN 19267 Values at 25°C

High Resolution Buffers

Coloured High Resolution pH Buffer solutions. Tested at 20°C or 25°C and certified by Reagecon's ISO/IEC 17025 (INAB Ref:264T) Accredited Test Method. NIST traceable and presented in 500ml bottles. Other pack sizes available upon request.

Antimony Buffers

Technical pH Buffer Solutions at 25°C

Coloured Technical pH Buffer solutions. Tested at 25°C and certified by Reagecon's ISO/IEC 17025 (INAB Ref:264T) Accredited Test Method. NIST traceable and presented in various pack sizes.



Low Ionic Strength Buffers

Low Ionic Strength pH Buffer Solutions. Special buffers suitable for accurate measurement of low ionic strength samples. Tested at 20°C and certified by Reagecon's ISO/IEC 17025 (INAB Ref:264T) Accredited Test Method. NIST traceable and presented in various pack sizes.

Bag-in-Box Colour Coded at 20°C

Coloured, Bag in Box pH Buffer solutions supplied in cubitainers with tap. Tested at 20°C and certified by Reagecon's ISO/IEC 17025 (INAB Ref: 264T) Accredited Test Method. NIST traceable and presented in various pack sizes.



Bag-in-Box Colour Coded at 25°C

Coloured, Bag in Box pH Buffer solutions supplied in cubitainers with tap. Tested at 25°C and certified by Reagecon's ISO/IEC 17025 (INAB Ref: 264T) Accredited Test Method. NIST traceable and presented in various pack sizes.

Bag-in-Box Colourless at 20°C

Bag-in-Box Colourless at 25°C

pH Buffers at 38°C

pH Buffer Capsules

An innovative concept developed by Reagecon is the presentation of pH Buffers in capsule format. These buffers are NIST traceable, tested at 25°C and offer several advantages including:

- Preservative free
- Easy to store and transport
- Colour coded, easy to identify
- Easy to use
- Dissolve quickly
- Extended shelf life
- Economical
- Accuracy ± 0.02 pH units



RECAL - Single Use Calibration Buffers

Reagecon manufactures a range of RECAL Buffers which are presented in wide mouth disposable containers. This range is used for direct calibration of the electrode and is tested at both 20°C and 25°C.



- Convenient - more efficient calibration, saves time
- Economical - avoids waste
- Accuracy - possibility of contamination is eliminated
- Mobility - easy to store and transport
- Traceability - the container is labelled with a lot number and expiry date, and buffers are directly traceable to NIST Standards
- Tested and certified by Reagecon's ISO 17025 (INAB Ref: 264T)
- Accredited Test Method

Reagecon

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