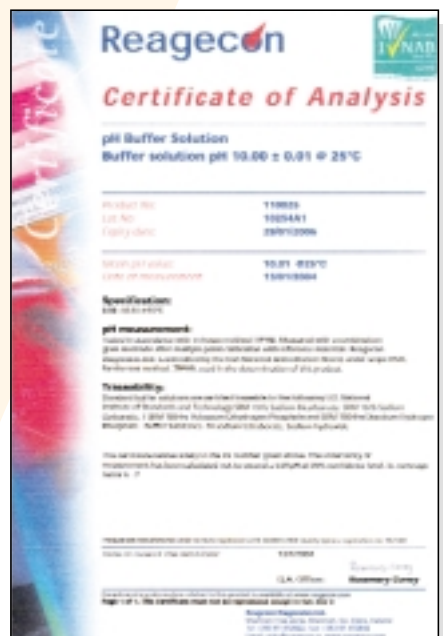


## pH BUFFER SOLUTIONS

Reagecon manufacture the most comprehensive range of pH reagents in Europe which are designed to suit all end user requirements. These include laboratory grade buffers, the Professional Range (buffer standards as per N.I.S.T/DIN and high resolution buffers), low ionic strength buffers and buffer capsules. They are manufactured to exacting specifications with an extended shelf life and cover the pH range of pH 1.00 to pH 13.00 inclusive. All are supplied with a detailed Certificate of Analysis which outlines traceability to N.I.S.T (the N.I.S.T SRM(s) Lot No. is stated on the certificate). Temperature dependence data is printed on the label as are lot numbers and expiry dates.



**pH BUFFERS - 20 °C**

Product No	Description	Specification	Temperature	Pack Size
10105 1010 5010	BUFFER SOLUTION pH 1.00	± 0.02	@ 20°C	500ml 1L 5L
10205 1020 5020	BUFFER SOLUTION pH 2.00	± 0.02	@ 20°C	500ml 1L 5L
10305 1030 5030	BUFFER SOLUTION pH 3.00	± 0.02	@ 20°C	500ml 1L 5L
10405 1040 5040	BUFFER SOLUTION pH 4.00	± 0.01	@ 20°C	500ml 1L 5L
CC10405 CC1040 CC5040	BUFFER SOLUTION pH 4.00 PHTHALATE FREE	± 0.01	@ 20°C	500ml 1L 5L
10505 1050 5050	BUFFER SOLUTION pH 5.00	± 0.01	@ 20°C	500ml 1L 5L
10605 1060 5060	BUFFER SOLUTION pH 6.00	± 0.01	@ 20°C	500ml 1L 5L
10685 1068 5068	BUFFER SOLUTION pH 6.80	± 0.01	@ 20°C	500ml 1L 5L
10705 1070 5070	BUFFER SOLUTION pH 7.00	± 0.01	@ 20°C	500ml 1L 5L
10805 1080 5080	BUFFER SOLUTION pH 8.00	± 0.01	@ 20°C	500ml 1L 5L
10905 1090 5090	BUFFER SOLUTION pH 9.00	± 0.01	@ 20°C	500ml 1L 5L
11005 1100 5100	BUFFER SOLUTION pH 10.00	± 0.01	@ 20°C	500ml 1L 5L
11105 1110 5110	BUFFER SOLUTION pH 11.00	± 0.05	@ 20°C	500ml 1L 5L
11205 1120 5120	BUFFER SOLUTION pH 12.00	± 0.05	@ 20°C	500ml 1L 5L
11305 1130 5130	BUFFER SOLUTION pH 13.00	± 0.05	@ 20°C	500ml 1L 5L

Prices for other sizes are also available on request

**pH BUFFERS - 25°C**

Product No	Description	Specification	Temperature	Pack Size
1010525 101025 501025	BUFFER SOLUTION pH1.00	±0.02	@ 25°C	500ml 1L 5L
1020525 102025 502025	BUFFER SOLUTION pH2.00	±0.02	@ 25°C	500ml 1L 5L
1030525 103025 503025	BUFFER SOLUTION pH3.00	±0.02	@ 25°C	500ml 1L 5L
1040525 104025 504025	BUFFER SOLUTION pH4.00	±0.01	@ 25°C	500ml 1L 5L
CC1040525 CC104025 CC504025	BUFFER SOLUTION pH4.00 PHTHALATE FREE	±0.01	@ 25°C	500ml 1L 5L
1050525 105025 505025	BUFFER SOLUTION pH5.00	±0.01	@ 25°C	500ml 1L 5L
1060525 106025 506025	BUFFER SOLUTION pH6.00	±0.01	@ 25°C	500ml 1L 5L
1068525 106825 506825	BUFFER SOLUTION pH6.80	±0.01	@ 25°C	500ml 1L 5L
1070525 107025 507025	BUFFER SOLUTION pH7.00	±0.01	@ 25°C	500ml 1L 5L
1080525 108025 508025	BUFFER SOLUTION pH8.00	±0.01	@ 25°C	500ml 1L 5L
1090525 109025 509025	BUFFER SOLUTION pH9.00	±0.01	@ 25°C	500ml 1L 5L
1100525 110025 510025	BUFFER SOLUTION pH10.00	±0.01	@ 25°C	500ml 1L 5L
1110525 111025 511025	BUFFER SOLUTION pH11.00	±0.05	@ 25°C	500ml 1L 5L
1120525 112025 512025	BUFFER SOLUTION pH12.00	±0.05	@ 25°C	500ml 1L 5L
1130525 113025 513025	BUFFER SOLUTION pH13.00	±0.05	@ 25°C	500ml 1L 5L

All are supplied with a detailed Certificate of Analysis which shows traceability to N.I.S.T.  
( the Lot No. of the N.I.S.T. SRM(s) is stated on the certificate)

Prices for other sizes are also available on request

## COLOUR CODED BUFFERS

These solutions are colour coded for ease of identification



### STANDARD BOTTLE FORMAT

Product No	Description	Specification	Temperature	Pack Size
10405C 1040C 5040C	BUFFER pH4.00 (Red)	±0.01	@ 20°C	500ml 1L 5L
10705C 1070C 5070C	BUFFER pH7.00 (Yellow)	±0.01	@ 20°C	500ml 1L 5L
11005C 1100C 5100C	BUFFER pH10.00 (Blue)	±0.01	@ 20°C	500ml 1L 5L
1040525C 104025C 504025C	BUFFER pH4.00 (Red)	±0.01	@ 25°C	500ml 1L 5L
1070525C 107025C 507025C	BUFFER pH7.00 (Yellow)	±0.01	@ 25°C	500ml 1L 5L
1100525C 110025C 510025C	BUFFER pH10.00 (Blue)	±0.01	@ 25°C	500ml 1L 5L

## TWIN NECK BOTTLE FORMAT

pH Buffers are available in an attractive and innovative twin neck bottle. The main advantages of this packaging are:

- 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.



Product No	Description	Specification	Temperature	Pack Size
10402CTT 10405CTT 1040CTT	BUFFER pH4.00 (Red)	±0.01	@ 20°C	250ml 500ml 1L
10702CTT 10705CTT 1070CTT	BUFFER pH7.00 (Yellow)	±0.01	@ 20°C	250ml 500ml 1L
11002CCTT 11005CCTT 1100CTT	BUFFER pH10.00 (Blue)	±0.01	@ 20°C	250ml 500ml 1L
1040225CTT 1040525CTT 104025CTT	BUFFER pH4.00 (Red)	±0.01	@ 25°C	250ml 500ml 1L
1070225CTT 1070525CTT 107025CTT	BUFFER pH7.00 (Yellow)	±0.01	@ 25°C	250ml 500ml 1L
1100225CTT 1100525CTT 110025CTT	BUFFER pH10.00 (Blue)	±0.01	@ 25°C	250ml 500ml 1L

## PROFESSIONAL RANGE

These buffer solutions are suitable for use where very accurate measurements are required.

### pH BUFFER STANDARDS N.I.S.T. VALUES @ 20°C

Product No	Description	NIST	Temperature	Pack Size
101675	BUFFER STANDARD	1.675	@ 20°C	500ml
101677	BUFFER STANDARD	1.677	@ 20°C	500ml
103788	BUFFER STANDARD	3.788	@ 20°C	500ml
104001	BUFFER STANDARD	4.001	@ 20°C	500ml
106881	BUFFER STANDARD	6.881	@ 20°C	500ml
107429	BUFFER STANDARD	7.429	@ 20°C	500ml
109225	BUFFER STANDARD	9.225	@ 20°C	500ml
110062	BUFFER STANDARD	10.062	@ 20°C	500ml
112627	BUFFER STANDARD	12.627	@ 20°C	500ml

### pH BUFFER STANDARDS DIN 19266 VALUES @ 25°C

Product No	Description	DIN	Temperature	Pack Size
101679	BUFFER STANDARD	1.679	@ 25°C	500ml
103776	BUFFER STANDARD	3.776	@ 25°C	500ml
104005	BUFFER STANDARD	4.005	@ 25°C	500ml
10687	BUFFER STANDARD	6.865	@ 25°C	500ml
107413	BUFFER STANDARD	7.413	@ 25°C	500ml
109180	BUFFER STANDARD	9.180	@ 25°C	500ml
110012	BUFFER STANDARD	10.012	@ 25°C	500ml
112454	BUFFER STANDARD	12.454	@ 25°C	500ml

### HIGH RESOLUTION BUFFERS - COLOUR CODED

Product No	Description	Specification	Temperature	Pack Size
104000C	BUFFER pH 4.000 (Red)	±0.010	@ 20°C	500ml
107000C	BUFFER pH 7.000 (Yellow)	±0.010	@ 20°C	500ml
110000C	BUFFER pH 10.000 (Blue)	±0.010	@ 20°C	500ml
H40525C	BUFFER pH 4.000 (Red)	±0.010	@ 25°C	500ml
H70525C	BUFFER pH 7.000 (Yellow)	±0.010	@ 25°C	500ml
H100525C	BUFFER pH 10.000 (Blue)	±0.010	@ 25°C	500ml

### TECHNICAL BUFFERS @ 20°C / 25°C

Product No	Description	25°C	20°C	Pack Size
TB2002	TECHNICAL BUFFER	2.00	2.00	250ml
TB200	TECHNICAL BUFFER	2.00	2.00	500ml
TB4012	TECHNICAL BUFFER	4.01	4.00	250ml
TB401	TECHNICAL BUFFER	4.01	4.00	500ml
TB4011	TECHNICAL BUFFER	4.01	4.00	1L
TB4602	TECHNICAL BUFFER	4.60	4.62	250ml
TB460	TECHNICAL BUFFER	4.60	4.62	500ml
TB7002	TECHNICAL BUFFER	7.00	7.02	250ml
TB700	TECHNICAL BUFFER	7.00	7.02	500ml
TB7001	TECHNICAL BUFFER	7.00	7.02	1L
TB9212	TECHNICAL BUFFER	9.21	9.26	250ml
TB921	TECHNICAL BUFFER	9.21	9.26	500ml
TB1002	TECHNICAL BUFFER	10.00	10.13	250ml
TB100	TECHNICAL BUFFER	10.00	10.13	500ml
TB1001	TECHNICAL BUFFER	10.00	10.13	1L

## LOW IONIC STRENGTH BUFFERS

Reagecon has developed a series of special buffers which are suitable for accurate measurement of low ionic strength samples when used with standard electrodes.

These buffers are of low ionic strength and when used to calibrate the electrode, significantly reduce the stabilisation time required and increase accuracy and reproducibility.

Product No	Description	Specification	Temperature	Pack Size
LS41	BUFFER SOLUTION pH4.10	±0.04	@ 20°C	500ml
LS415	BUFFER SOLUTION pH4.10	±0.04	@ 20°C	5L
LS69	BUFFER SOLUTION pH6.96	±0.04	@ 20°C	500ml
LS695	BUFFER SOLUTION pH6.96	±0.04	@ 20°C	5L

## "BAG-IN-BOX" - COLOUR CODED

These pH Buffer Solutions are supplied in Cubitainers i.e. a box with a collapsible plastic liner with a tap for dispensing solution



Product No	Description	Specification	Temperature	Pack Size
BPH01	BUFFER pH4.00 (Red)	±0.01	@ 20°C	5L
BPH02				10L
BPH03	BUFFER pH7.00 (Yellow)	±0.01	@ 20°C	5L
BPH04				10L
BPH05	BUFFER pH10.00 (Blue)	±0.01	@ 20°C	5L
BPH06				10L
BPH07	BUFFER pH4.00 (Red)	±0.01	@ 25°C	5L
BPH08				10L
BPH09	BUFFER pH7.00 (Yellow)	±0.01	@ 25°C	5L
BPH10				10L
BPH11	BUFFER pH10.00 (Blue)	±0.01	@ 25°C	5L
BPH12				10L

Various other pH values are available on request. Please contact [sales@reagecon.ie](mailto:sales@reagecon.ie) for further information

## pH BUFFER CAPSULES

### Advantages of Capsules

The presentation of pH buffers in capsule format is an innovative concept developed by Reagecon, and offers the following advantages:

- Colour coded for ease of identification
- Easy to use
- Dissolve quickly
- Accuracy  $\pm 0.02$  pH units
- Preservative free
- Economical
- Easy to store and transport
- Extended shelf life



**To use:** Empty contents of one capsule into 100ml of distilled water.

Product No	Description	Specification	Temperature	Pack Size
CP1040	Capsule pH4.01 (Orange)	$\pm 0.02$	@ 25°C	50 Capsules
CP1070	Capsule pH7.00 (Green)	$\pm 0.02$	@ 25°C	50 Capsules
CP1090	Capsule pH9.00 (Purple)	$\pm 0.02$	@ 25°C	50 Capsules
CP1100	Capsule pH10.00 (Blue)	$\pm 0.02$	@ 25°C	50 Capsules
CPMX47910	Mixed Pack	$\pm 0.02$	@ 25°C	10 pH4.01 20pH7.00 10pH9.00 10pH10.00

## RECAL - SINGLE USE CALIBRATION BUFFERS (COLOUR CODED)

RECAL is a range of pH Buffers in a wide mouth disposable container which can be used for direct calibration of the electrode and then discarded on completion. RECAL offers the following advantages:

- Convenience - saves time, more efficient calibration, avoids waste and spillage.
- Mobility - These are easy to store and transport, allowing calibration in the field or directly in the plant.
- Economical - No waste buffer, beaker not required.
- Accuracy - the possibility of contamination is eliminated giving increased confidence in the results.
- Traceability - Each container is labelled with lot number and expiry date and buffers are directly traceable to N.I.S.T. Standards.



Product No	Description	Specification	Temperature	Pack Size
04C60	pH 4.00 (Red)	$\pm 0.01$	@ 20°C	6 x 90ml
07C60	pH 7.00 (Yellow)	$\pm 0.01$	@ 20°C	6 x 90ml
10C60	pH 10.00 (Blue)	$\pm 0.01$	@ 20°C	6 x 90ml
MXC60	Mixed pack of 2 x pH4, 7 & 10	$\pm 0.01$	@ 20°C	6 x 90ml
04C65	pH 4.00 (Red)	$\pm 0.01$	@ 25°C	6 x 90ml
07C65	pH 7.00 (Yellow)	$\pm 0.01$	@ 25°C	6 x 90ml
10C65	pH 10.00 (Blue)	$\pm 0.01$	@ 25°C	6 x 90ml
MXC65	Mixed pack of 2x pH4, 7 & 10	$\pm 0.01$	@ 25°C	6 x 90ml