

### pH/Redox calibration solutions, cleaning and maintenance



- Ready-to-use 250 ml and 1000 ml buffer solution

#### Ready-to-use pH buffer solutions

Good pH buffer solutions are, in addition to a suitable pH electrode, the basis for an exact pH measurement. With their buffering capacity, the pH reference value remains stable even if smaller amounts of fluid penetrate into the buffer. The technical buffer solutions with pH value of 4, 7 and 10 guarantee maximum measurement accuracy.

Traceability for NIST. The practical dosing bottles have a 'measuring chamber' that is filled by squeezing the bottle. After calibration, the contents of the measuring chamber can be discarded to prevent contaminating the remaining contents of the bottle.



#### Buffer capsules

##### Cost-effective alternative: Buffer capsules and working sets

With our buffer capsules, you can produce a 100 ml buffer solution in the most cost-effective manner. A particular advantage of the capsules is that their storage life is several years longer than that of ready-to-use solutions.

The capsules are offered in a practical working set:



The most cost-effective entry with everything you need for a successful start in pH measurement, including cleaning solution and KCL100 storage/replacement electrolyte

#### Deionised water - SDW500

Purchase a 0.5 l deionised water bottle. Why? Because the 500 ml bottle is incredibly practical for field use. Compact and convenient - simply flush with water and refill.



#### GRP Redox control solution

Redox measurement is not really an 'absolute measurement' in comparison with pH or conductivity measurement. If the measurement changes over time, a reliable reference solution is indispensable for checking the function of the electrode.

Redox testing solution (220mV at 25°C), 100 ml



#### Cleaning solutions - storage and maintenance

##### GRL100 cleaning solution

The combination of hydrochloric acid and pepsin protein solvent is the perfect universal cleaner for nearly all applications.



##### KCL100 storage solution

3 mol KCL, also for filling of liquid electrolyte pH electrodes



#### CaCl soil measurement solution

1000 ml CaCl solution for measuring the soil pH value.



### Ordering code

<b>pH buffer solution, ready-to-use</b>		<b>Art. no.</b>
PHL-4	pH 4 in 250 ml dosing bottle	601369
PHL-7	pH 7 in 250 ml dosing bottle	601371
PHL-10	pH 10 in 250 ml dosing bottle	601373
PHL-4, 1000 ml	pH 4 in 1000 ml dosing bottle	415029
PHL-7, 1000 ml	pH 7 in 1000 ml dosing bottle	415030
PHL-10, 1000 ml	pH 10 in 1000 ml dosing bottle	415031
<b>pH buffer capsules</b>		
GPH-4-10	GPH 4, amount: 10 capsules	602615
GPH-4-5	GPH 4, amount: 5 capsules	602614
GPH-7-10	GPH 7, amount: 10 capsules	602617
GPH-7-5	GPH 7, amount: 5 capsules	602616
GPH-10-10	GPH 10, amount: 10 capsules	602619
GPH-10-5	GPH 10, amount: 5 capsules	602618
GPH-12-10	GPH 12, amount: 10 capsules	602621
GPH-12-5	GPH 12, amount: 5 capsules	602620
<b>Plastic bottle with wide neck</b>		
GPF100	100 ml storage bottle for pH buffer capsules	601416
<b>Cleaning solution</b>		
GRL100	100 ml HCL/Pepsin solution	601422
<b>Storage solution and electrolyte refill</b>		
KCL3M	3 mol KCL sterilised	602477
<b>Working and calibration set with buffer capsules</b>		
GAK1400	5x each of GPH 4, GPH 7, GPH 10 3x GPF100, 1x KCL 3M, 1x GRL100	603523
<b>Electrolyte solution for soil pH measurement</b>		
CaCl	1000 ml square bottle	603254
<b>Redox control solution</b>		
GRP100	100 ml bottle	601424
<b>Deionised water</b>		
SDW500	in 500 ml refill dosing bottles	606171