Order no. **170 121**

ATTENTION!

This water test kit contains chemicals that – if applied incorrectly - may be hazardous to the health and safety of the user. Always keep and store this water test kit away from children. Prior to starting the work, carefully read the instructions indicated on the genuine containers and take suitable safety measures. For detailed information, please refer to the EC safety data sheets that we would be pleased to supply upon request.

Content

- Wide-neck Erlenmeyer flask, 300 ml
- Transparent measuring cylinder, 100 ml
- Titration burette with supply bottle
- Indicator buffer tablets, 500 pcs
- GENO[®]-plex B solution. 1 I
- Ammonia solution 25 %, 250 ml
- Operation manual

Designated application

The determination of the total hardness by means of the GENO[®]-plex B solution should preferably be used if the accuracy of the quick test 170100/170145 is not sufficient. However, the amount of technical equipment needed is slightly higher. 170121 is suitable if an accuracy of approx. 0.1 °dH (0.018 mmol/l) is required and a certain work experience in a laboratory can be assumed.

Analysis

- 1. Measure 100 ml of the water sample and fill it into the Erlenmeyer flask.
- 2. Add an indicator buffer tablet and swirl the flask until the tablet has dissolved.
- 3. Add 10 20 drops of ammonia solution. A green colouring stands for 0 °dH and in case of a red colouring, the hardness needs to be determined.
- 4. Fill the burette with the GENO®plex B solution by squeezing the burette bottle. The upper tip of the inlet sucks off the solution added in excess and automatically sets the column to zero. Make sure that there are no air bubbles in the lower part of the burette.
- By gently pressing the red button, add GENO[®]-plex B solution to the sample until the colour changes from red to green.

 Read the burette. The consumption in ml corresponds to the total hardness in °dH.

Delivery

Water test kit "Total hardness"

The water analysis kit is delivered as a complete kit. You may order individual components and reagents with the order numbers indicated in the table below.

Storage

Store the reagents in a dry and well-ventilated location.

Observe the information and shelf life indicated on the containers.

Note:

If, apart from the total hardness, you also need to determine the p and m values, you may upgrade the water test kit no. 170 121 by purchasing the products listed in the table. The upgraded equipment thus corresponds to water test kit no. 170 109.

Information

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Water test kit 170121; spare parts and reagents	
88807050	
88808025	
88805053	
170536	
170706	
170705	
With the components indicated below you may upgrade 170121 to 170109.	
88807050	
88808025	
170703	
170704	
170701	
170950	