

## Standard operating procedure of PH meter device

1. Objective: This instruction describes use, maintenance and calibration of the device - PH meter located in the comprehensive research laboratory.
2. Operating range: This device is used for measuring and adjusting the pH of solutions and should not be used for other purposes.
3. Responsibilities: The laboratory expert is responsible for the correct operation of the device and in case of any problems should be reported to him.
4. Materials and equipment: Calibration buffers 4, 7 and 9, three molar KCl solutions, 6 volt adapter
5. Method:
  1. Turn on the device power .
  2. Let the device perform its calibration, which takes about a few seconds .
  3. Remove PH meter sensor rod and rinse twice with distilled water.
  4. Insert the rod gently into the environment where you need to measure the pH and allow the device to measure its pH for a few seconds until the pH is constant, remove the rod from the environment.
  5. During measurement very slow movement of the environment by the steerer leads to uniformity of the environment and pH it will be more reliable.
  6. After fixing the PH-number, remove the rod from the environment and distill it twice with distilled water.
  7. Turn off the device .
6. Safety and advice: Avoid hitting the search bar .
7. Maintenance and care: After the end of measurement - PH of the desired solution, wash the search bar with distilled water and dry with a paper towel (Gently touch the tissue).  
Place the probe bar in KCl solution and keep it in this solution until next use.  
The pH must be calibrated by prepared solutions.

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<b>Full file name</b>	Standard operating procedure of PH meter device
<b>Document description</b>	These instructions describe the usage, maintenance and calibration of PH meter device which is kept in Core laboratory.
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