

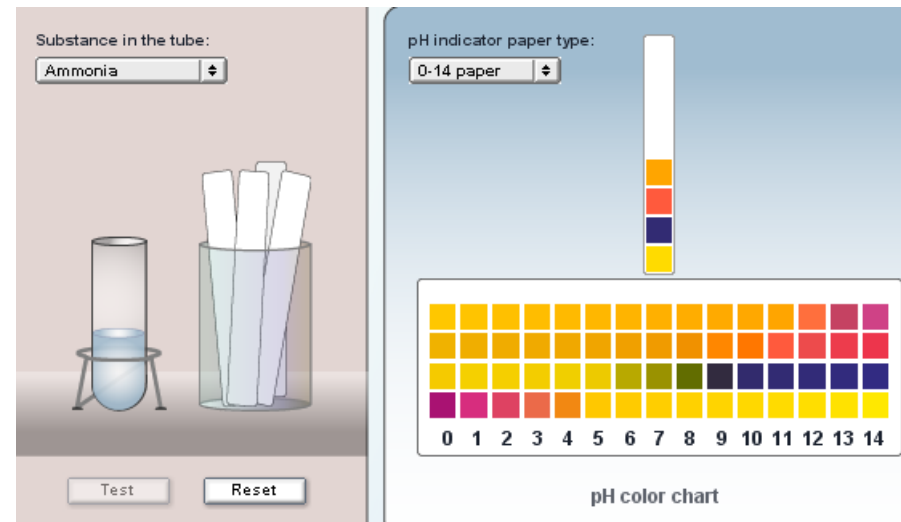
pH measurement Cell Culture Media

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pH measurement

colour indicator method

- soluble indicators
- dried indicator papers



<http://www.explorelearning.com/index.cfm?method=cResource.dspView&ResourceID=458> (November 24th, 2013)

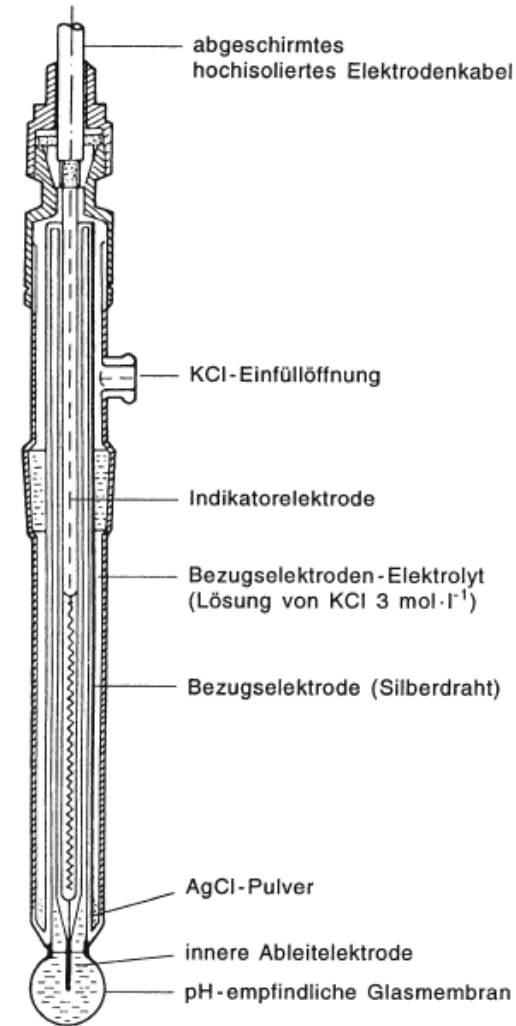
<http://2012books.lardbucket.org/books/principles-of-general-chemistry-v1.0/s20-05-acid-base-titrations.html> (November 24th, 2013)

Anorganische Chemie (9. Auflage) – Latscher HP, Klein AK

pH measurement

pontentiometric method

- glass electrode
- calibration with ≥ 2 standard buffer solutions (e.g. pH=4/7/10)



http://www.carlroth.com/media/_de-de/Graphics/00026295_0.jpg (November 24th, 2013)

Anorganische Chemie (9. Auflage) – Latscher HP, Klein AK

Chemie (9. Auflage) – Mortimer CE, Müller U

Cell Culture Media

Common Cell Culture Media

- Dulbecco's Modified Eagle Medium (DMEM)
- Minimum Essential Medium (MEM)
- Ham's F12 Nutrient Mixture
- McCoy's 5A
- RPMI Media 1640



bicarbonate buffering system

supplements

- HEPES: pH-stabilisation
- phenol red: pH-indicator
- glucose
- endotoxin
- FCS: serumproteins, growth factors, hormones
- L-glutamine
- antibiotics