

- ✓ QUICK
- ✓ ACCURATE
- ✓ CONVENIENT

pH

Determination with

ACCUTINT pH

TEST PAPERS

Each vial supplied with a printed color standard



Accutint pH test papers are simple, accurate and rapid means of making hydrogen ion determinations. Merely place a drop of the solution or press a small amount of the moist solid being examined on a strip of the test paper, observe the color change which occurs, then make a comparison with the printed color standard on the vial. Each strip reacts to produce a distinctive color reaction at each pH value within its range or indicates that an adjacent range must be used for further determination.

Wide range and fractional range Accutint test papers are available. The use of wide range papers is recommended where pH values are not known to be within the limits of a fractional range paper. By using wide range paper for an initial determination, pH can be measured within 1.0 pH, and, to obtain greater accuracy, a second determination is made with the correct fractional range paper, to within 0.3 pH.

Because fractional range papers overlap each other, it is possible to make readings to 0.2 or 0.1 pH. For example, the following pH values can be determined from the color standards of the various papers covering the range 5.0 to 8.8 pH: 5.0, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.9, 6.1, 6.2, 6.3, 6.4, 6.6, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.8, 7.9, 8.1, 8.2, 8.4, 8.6, 8.8.

If a pH indication is the first or last color of a fractional range paper, a second determination using paper of the next range can be made to check the original measurement. When a paper from a particular fractional range registers a color shade between two of

the color standards of its range, the paper is signaling the user to turn to the adjacent fractional range above or below where the intermediate value will be revealed by its distinct color standard.

Accutint pH test papers offer a complete and accurate pH service of highest sensitivity. It is comprised of three wide ranges or pH localizers of superior accuracy in the high alkaline and high acid ranges as well as in all the middle ranges. These are supplemented by 20 fractional ranges, permitting close determination to 0.1 pH. By using the complete set, 144 pH values between pH 0 and pH 14 are determinable.

The wide and fractional ranges are best presented in correlation by color and by graph by the **Master Accutint Color Chart, No. 5-65278** which illustrates color standards and readings of every pH value in each of the 25 fractional and wide ranges. This chart helps in the selection of the most suitable ranges or papers for a specific purpose.

5-65277 Accutint Test Papers. The strips are prepared in pad form, each pad consisting of 20 strips. Packed in glass vials each containing 5 pads or 100 strips. Color chart and instructions are provided with each vial.

Per Vial.....\$.65
Per 72 Vials, 10% Discount
Per 144 Vials, 15% Discount
Per 288 Vials, 20% Discount

5-65278 Accutint Master Color Chart. As described above. Designed to aid in the selection of the most suitable paper for a specific purpose. Each.....\$3.25

Wide Range Test Paper

| No. | A | B | C |
|----------|---------|----------|----------|
| pH Range | 0.0-5.0 | 1.0-12.0 | 9.0-14.0 |

Fractional Range Test Paper

| No. | 10 | 20 | 30 | 40 | 50 | 110 | 120 | 130 | 140 | 150 |
|----------|---------|---------|---------|---------|---------|----------|----------|-----------|-----------|-----------|
| pH Range | 0.0-1.2 | 0.8-2.4 | 1.3-3.3 | 1.4-3.0 | 1.7-3.3 | 6.1-7.4 | 6.9-8.4 | 7.2-8.8 | 7.3-8.8 | 8.4-9.4 |
| No. | 40 | 70 | 80 | 90 | 100 | 140 | 170 | 180 | 190 | 200 |
| pH Range | 2.7-4.7 | 3.9-5.4 | 5.0-6.6 | 5.2-6.9 | 5.3-7.0 | 8.9-10.0 | 9.1-10.4 | 10.1-12.0 | 10.7-14.0 | 12.4-14.0 |

Write for bulletin giving complete listing, price and discounts.

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