

# Individual Test Kits



Code 5012

## HUMUS

Humus is organic matter which has decomposed to where it can contribute nutrients for plant uptake.

Code/Model	Method	Range & Sensitivity	Reagent System	# of Tests	Shipping Code (Wgt/Lbs)
5012/STH-1	Color Chart, filtered extraction	Low to high in 5 increments, 1½-8%	EDTA	50	NH (2)

## ORGANIC MATTER

Organic matter is important to soil in that it serves as a reservoir for moisture and nutrients which will eventually become available to the plant.

Code/Model	Method	Range & Sensitivity	Reagent System	# of Tests	Shipping Code (Wgt/Lbs)
5020/ST-OR	Large-scale buret titration	0-1.6% by wt. Organic Matter	Acid-Dichromate mixture, 5 reagents	25	HF (16)

## pH

The pH value affects all mineral elements and the biological processes made available to plants from the soil. Accurate pH testing is essential to determine lime requirements and to insure that a mineral-rich soil is also a fertile one.

Code/Model	Method	Range & Sensitivity	Reagent System	# of Tests	Shipping Code (Wgt/Lbs)
5023/ST-M	5 Color Charts & Spot plate Morgan Method	pH 3.8-8.4 in 0.2 increments (not for heavy clays)	5 individual pH indicators	50	R2 (3)
5024/ST-T	Color Chart & Spot Plate	pH 4.0, 5.0, 6.0, 7.0, 8.0	Duplex Indicator	100	R1 (1)



Code 5023



Code 1069

## TEXTURE

The overall texture of a soil affects growth in the root zone, which determines the above-ground growth production, and is determined by the fractions of sand, silt, and clay present.

Code/Model	Method	Range & Sensitivity	Reagent System	# of Tests	Shipping Code (Wgt/Lbs)
1067	Settling	Determines sand, silt, & clay fraction, texture determined by chart	Dispersion, Flocculation	50	NH (2)

## PLANT TISSUE TESTING

Plant tissue testing provides essential information concerning plant use of nutrients vital to their growth. These simplified field tests for green plant tissue indicate whether growing plants are receiving adequate amounts of available nutrients from the soil. All tests give qualitative results for the specific nutrients. By comparing test results from healthy and problem plants, it is possible to pinpoint deficiencies or excessive nutrient conditions.

### MACRONUTRIENT PLANT TISSUE KIT

Model PT-3R • Code 5026 • HF (3)

Reagent Refill • Code R-5026 • HF (2)

A complete kit for determining nitrates, phosphorus and potassium in plant tissue.

Diced green plant tissue is saturated in a Universal Extracting Solution to prepare a single liquid extract for use with all three tests. Qualitative results given as abundant, adequate, deficient only. Reagents for 50 tests per factor.

### MICRONUTRIENT PLANT TISSUE KIT

Model PT-04 • Code 5261 • R1 (3)

Reagent Refill • Code R-5261 • R1 (2)

Includes tests for ferrous and ferric iron, zinc, copper, manganese, and boron. Each test is made from the sap of plant tissues, which is extracted by squeezing the tissue with pliers. Comparative tests are made between a healthy plant and a similar one showing deficiency symptoms. "Spot" tests indicate presence or absence only. Reagents for 50 tests each factor.



Code 5026