



COLTS | Laboratories™

Precision Testing. Definitive Results.

Equipment & Supplies Catalog

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Equipment

Equipment

BYK Gardner Hazegard Plus

Haze measuring device using illuminant CIE-C. The instrument is fully electronic, simple to operate, and proven in industrial use. The instrument can easily and accurately measure Haze, Luminous Transmittance and Clarity. Please allow 30 - 60 days for delivery. Shipping arrangements are buyer's responsibility.

Type	Qty
Hazegard - Plus	1

COLTS Laboratories BTE Bayer Tester

The original Bayer Tester concept is preserved in this new and completely redesigned COLTS Laboratories Bayer Tester. Quieter, smaller, dust free and more vibration free machine than previous versions. Improved speed control. More robust bearings. Includes ready to operate machine, 10 charges of abrasive media and operating instructions for completing the Bayer test procedure.

Specify voltage and cycles/minute required if not US destination. Sixty day warranty on parts and labor. Additional three-year warranty is available and includes all parts and labor if machine becomes inoperable (USA and Canada only). Each machine is built to order so please allow 90 - 120 days for delivery.

Type	Qty
BTE Bayer Tester	1
BTE Bayer Tester (Outside the U.S. and Canada)	1
BTE Warranty	1

COLTS Laboratories Dark Field Luminator

Dark Field Illuminator for use in observing and photographic recording of abrasion, crazing and general cosmetic blemishes. Unit Dimensions: 28"L, 11.5"W, 7"H.

Sixty day warranty on parts and labor. Additional three-year warranty is available and includes all parts and service and replacement loaner if unit becomes inoperable. Specify voltage required if not US destination. Please allow 30 - 60 days for delivery.

Type	Qty
Dark Field Luminator; 5 Lens View	1
Dark Field Luminator; 5 Lens View (Outside U.S. & Canada)	1
Dark Field 3 year warranty	1

COLTS Laboratories Laminar Flow Oven

This laminar oven is capable of long service at the required 65°C for the Cycle Humidity Tests. The oven is capable of up to 250°C and has a 5 cubic feet, all stainless interior. Temperature uniformity throughout the interior is $\pm 0.9^{\circ}\text{C}$ at 150°C. A two (2) year warranty is included. The oven is delivered with 2 Desiccators and 500 cc's of Potassium Sulfate. Please allow 30 - 60 days for delivery. Shipping arrangements are the responsibility of the buyer.

Type	Qty
Laminar Flow Oven	1

Equipment

Equipment

COLTS Laboratories STE Tester

This tester can perform a total of thirteen tests. The most important are the ISO equivalent Eraser Test and the ISO equivalent Steel Wool Test. These tests can be done on the convex side, as in the ISO recommendations, or the concave side of the lens for those coatings that are only available on the rear lens surface. Other tests include five Cloth Abrasion and Cloth/Cleaner Cleaning Tests. Included with the unit will be the COLTS Laboratories Standard Operating Procedures for the two ISO abrasion tests, operating manual and one set of media supplies for the ISO tests.

Shipping arrangements are the responsibility of the buyer. Please specify voltage and cycles/minute required if not US destination. Sixty day warranty on parts and labor. Additional three-year warranty available includes all parts and labor (USA and Canada only). Each machine is built to order so please allow 90 - 120 days for delivery.

Type	Qty
STE Tester	1
STE Tester (Outside the U.S. and Canada)	1
STE-3 year warranty	1

COLTS Laboratories Tumble Tester

Original Rampart Tumble Tester and barrel sold by COLTS Laboratories. Includes roller drive, barrel, 5 charges of media and complete operating instructions for completing the Tumble Test.

Sixty day warranty on parts and labor. Additional three-year warranty is available includes all parts and labor (USA and Canada only). Please allow 30 to 60 days for delivery. Please specify voltage and required if not US destination.

Type	Qty
Tumble Tester	1
Tumble Tester (Outside the U.S. and Canada)	1
Tumble Tester Warranty-3 year warranty	1

Supplies

Abrasion Media

Bayer Test Media 50 Pound Box

Fifty (50) pound box of Bayer Test Media. Three (3) types are currently available to select from; Alundum 10, Alundum 12 and Kryptonite B.

Type	Qty
Alundum 10	1

Eraser Test Media

Certified for the Eraser Test.

Type	Qty
Package of 12	1

Kryptonite B

Kryptonite B, a COLTS certified product used for Bayer abrasion testing, is available in a 50 pound box. Kryptonite B has been tested and has been found to produce similar ratios as Alundum and in most testing has a smaller deviation.

Type	Qty
1 to 5 boxes	1
6 to 15 boxes	1
16 to 30 boxes	1
30 boxes or more	1

Steel Wool Test Media

Oil Free "0000" steel wool that is purchased from one manufacturer by COLTS Laboratories for testing purposes. Sold in 12 pack sleeves.

Type	Qty
Case of 12 sleeves (8 pcs/sleeve)	1

Tumble Test Media

All ingredients necessary for one Tumble Test prepackaged in a sealed bag.

Type	Qty
One Package	1

Supplies

General Supplies

Bayer Abrasion Test Lens Standards

Five (5) lenses used for the subjective assessment of the Bayer Abrasion test using the 5 lens view COLTS' Dark Field Luminator.

Type	Qty
Set of 5	1
Requalification	1

Cleaning Cloths

Type	Qty
Package of 100	1

COLTS Standard Control Lenses

Standard lenses used as reference for general testing.

Type	Qty
4 Base, Set of 100 lenses (Minimum order)	1
6 Base, Set of 100 lenses (Minimum order)	1

Crosshatch Tool

Type	Qty
100 Extra Blades	1
Tool complete with 6 blades	1

Desiccator

For use with Cycle Humidity Oven Test.

Type	Qty
Each	1

Electrical Tape

Electrical Tape - 2 inches wide, for Tumble Test.

Type	Qty
One (1) Roll	1

Eraser Abrasion Test Lens Standards

Five (5) lenses used for the subjective assessment of the Eraser Abrasion test using the 5 lens view COLTS' Dark Field Luminator.

Type	Qty
Set of 5	1

Grip Liner

For use with STE.

Type	Qty
Roll	1

Supplies

General Supplies

Leap Pads

Used in general testing.

Type	Qty
Roll of 1000	1

Neoprene Gaskets

Used for FDA / Impact Testing.

Type	Qty
Set of 5	1

Potassium Sulfate

For the use with Cyclce Humidity Oven Test.

Type	Qty
500 grams	1

Scotch #600 Tape

Used for completing Crosshatch Tests.

Type	Qty
One (1) Roll	1

Scotch #810 Tape

Used for completing ARCA Tape Pull with force gauge.

Type	Qty
One (1) Roll	1

Sodium Chloride (NaCl) Technical Grade

Salt - Used for Salt Water Soak and Boiling Salt Water Tests.

Type	Qty
500 grams	1

Sodium Phosphate

Sodium Phosphate Monobasic Dihydrate (Na₂H₂PO₄.H₂O) Reagent grade for Salt Water Soak and Boiling Salt Water Tests.

Type	Qty
500 grams	1

Stainless Steel Balls

Used for Drop Ball Impact and High Velocity Tests.

Type	Qty
1" - Package of 5	1
1/4" - Package of 200	1
5/8" - Package of 5	1

Supplies

General Supplies

Steel Wool Abrasion Test Lens Standards

Five (5) lenses used for the subjective assessment of the Steel Wool Abrasion Test using the 5 lens view COLTS' Dark Field Luminator.

Type	Qty
Set of 5	1

Support Tube

Used for FDA Impact Tester.

Type	Qty
Set of 5	1

Tumble Abrasion Test Lens Standards

Five (5) lenses used for the subjective assessment of the Tumble Abrasion Test using the 5 lens view COLTS' Dark Field Luminator.

Type	Qty
Set of 5	1