

August 7, 2024

## SIEVE SETS

### OPTION 1

#### STAINLESS STEEL MESH SIEVE SET

Other sieve set combinations are available on request.

These economical sieves feature stainless steel mesh and steel frames. The set of six sieves includes the following mesh sizes: 5 (4,000 micron), 10 (2,000 micron), 35 (500 micron), 60 (250 micron), 120 (125 micron), and 230 (63 micron). Includes lid and catch pan. Sieve Diameter: approximately 7".



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## OPTION 2

### MINI-SIEVE™ MICRO SIEVE SET



#### Mini-Sieve Micro Sieve Set

This micro sieve set's mesh inserts can be changed or cleaned thoroughly by unscrewing the screen-holding sections. When finished, screw them together snugly to lock the mesh in place. The set consists of four interchangeable screen-holding sections, a catch pan, and a friction-fit cover – all molded of polypropylene. Eight phosphor-bronze mesh inserts are also included, one each of the following sizes: 25, 35, 45, 60, 80, 120, 170, and 230 mesh.

Mini-Sieve Micro Sieve Set: 25, 35, 45, 60, 80, 120, 170, and 230 mesh. Dimensions: Set, 2.55" maximum O.D. x 6"H; Holding Section, 2" I.D. x 1-1/8"H. Capacity: each holding section holds about 60 cc.

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OPTION 3

HUBBARD #548 SCREEN SIX SIEVE SET

**Plastic Frames**



Hubbard #548 Screen Six Sieve Set

Used by students to separate and grade samples. Set includes six interlocking sieves with plastic frames and graduated stainless steel wire screens, a solid container at the bottom, and snap-on lid. U.S. Bureau of Standard mesh sizes 5, 10, 35, 60, 120, 230. 6.5" x 2.5".

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OPTION 4

KECK SAND SHAKER

With 20 sieves.



Keck Sand Shaker

An accurate mechanical sieve kit designed to provide reliable grain size analysis! 20 stainless steel screens including one each of the following U.S. Sieve Sizes: 4, 6, 8, 10, 12, 14, 16, 18, 20, 25, 30, 35, 40, 60, 100, 120, 140, 200, 230 and 270. Samples are placed into five, clear 2" acrylic cylinders and volumetric percentages are indicated on the shaker frame. Range: 0 to 100% in 5% increments.

## Test sieves, general purpose and specialized

<p><b>ASTM Test Sieves</b></p>  A collection of various ASTM test sieves, including several large yellow sieves, several smaller white sieves, and several small white sieves.	<p><b>ASTM Supplemental Sieves</b></p>  A collection of ASTM supplemental sieves, including several large white sieves and several smaller white sieves.	<p><b>ISO Test Sieves</b></p>  A collection of ISO test sieves, including several large yellow sieves and several smaller white sieves.
<p><b>Wet-Wash Sieves</b></p>  A collection of wet-wash sieves, including several large orange sieves and several smaller white sieves.	<p><b>3in Acrylic Frame Test Sieves</b></p>  A collection of 3-inch acrylic frame test sieves, including several white sieves and several smaller white sieves.	<p><b>Air Jet Sieves</b></p>  A collection of air jet sieves, including several white sieves and several smaller white sieves.
<p><b>ASTM Precision Electroformed Sieves</b></p>  A collection of ASTM precision electroformed sieves, including several large white sieves and several smaller white sieves.	<p><b>Two-Part Replaceable Mesh Sieves</b></p>  A collection of two-part replaceable mesh sieves, including several large yellow sieves and several smaller yellow sieves.	<p><b>3in Nonmetallic Sieves</b></p>  A collection of 3-inch nonmetallic sieves, including several large blue sieves and several smaller blue sieves.

Acrylic Frame Sieves are fitted with woven wire mesh, and the clear frames enable enhanced sample observation during testing.

Durable 3in (76mm) diameter Nonmetallic Sieves for special applications with small volumes of fine materials. Sieves are constructed with clear polycarbonate frames to allow observation of particle action during a dry separation or liquid levels during wet-sieving operations. Polyester mesh has

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opening sizes matching the U.S. Standard series from No. 50 (300µm) to No. 635 (20µm), as well as 7, 10, and 15µm sizes.

### ISO AND ASTM SIEVE LIST

ISO 565, 3310-1 test sieve opening size	ASTM E11 test sieve opening size
	4in (100.0mm)
	3-1/2in (90.0mm)
	3in (75.0mm)
63.0mm	2-1/2in (63.0mm)
56.0mm	
53.0mm	2.12in (53.0mm)
50.0mm	2in (50.0mm)
45.0mm	1-3/4in (45.0mm)
40.0mm	
37.5mm	1-1/2in (37.5mm)
35.5mm	
31.5mm	1-1/4in (31.5mm)
28.0mm	
26.5mm	1.06in (26.5mm)
25.0mm	1in (25.0mm)
22.4mm	7/8in (22.4mm)
20.0mm	
19.0mm	3/4in (19.0mm)
18.0mm	
16.0mm	5/8in (16.0mm)
14.0mm	
13.2mm	0.530in (13.2mm)
12.5mm	1/2in (12.5mm)
11.2mm	7/16in (11.2mm)
10.0mm	
9.5mm	3/8in (9.5mm)
9.0mm	
8.0mm	5/16in (8.0mm)
7.1mm	
6.7mm	0.265in (6.7mm)
6.3mm	1/4in (6.3mm)
5.6mm	No.3-1/2 (5.6mm)

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5.0mm	
4.75mm	No.4 (4.75mm)
4.50mm	
4.00mm	No.5 (4.0mm)
3.55mm	
3.35mm	No.6 (3.35mm)
3.15mm	1/8in (3.15mm) *Not a standard ASTM size
2.80mm	No.7 (2.8mm)
2.50mm	
2.36mm	No.8 (2.36mm)
2.24mm	
2.00mm	No.10 (2.0mm)
1.80mm	
1.70mm	No.12 (1.7mm)
1.60mm	
1.40mm	No.14 (1.4mm)
1.25mm	
1.18mm	No.16 (1.18mm)
1.12mm	
1.00mm	No.18 (1.0mm)
900µm	
850µm	
800µm	No.20 (850µm)
710µm	No.25 (710µm)
630µm	
600µm	No.30 (600µm)
560µm	
500µm	No.35 (500µm)
450µm	
425µm	No.40 (425µm)
400µm	
355µm	No.45 (355µm)
315µm	
300µm	No.50 (300µm)
280µm	
250µm	No.60 (250µm)
224µm	
212µm	No.70 (212µm)
200µm	
180µm	No.80 (180µm)
160µm	
150µm	No.100 (150µm)
140µm	
125µm	No.120 (125µm)
112µm	

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106µm	No.140 (106µm)
100µm	
90µm	No.170 (90µm)
80µm	
75µm	No.200 (75µm)
71µm	
63µm	No.230 (63µm)
56µm	
53µm	No.270 (53µm)
50µm	
45µm	No.325 (45µm)
40µm	
38µm	No.400 (38µm)
36µm	No.450 (32µm)
32µm	No.500 (25µm)
25µm	No.635 (20µm)
20µm	