

Homogenizer

Dounce Tissue Homogenizer

- Designed for disruption of whole cells leaving cell nuclei undamaged
- Polished tube and pestles
- All glass construction
- Two pestles supplied with each unit
 - Large clearance pestle for initial processing
 - Small clearance pestle completes homogenization

Stock No.	Capacity	Large Pestle Clearance (in)	Small Pestle Clearance (in)	Tube Overall
1984-10002	2 ml	0,0030-0,0050	0,0005-0,0025	60 mm
1984-10007	7 ml	0,0028-0,0047	0,0008-0,0022	125 mm
1984-10015	15 ml	0,0035-0,0065	0,0010-0,0030	157 mm
1984-10040	40 ml	0,0030-0,0060	0,0010-0,0030	215 mm
1984-10100	100 ml	0,0020-0,0100	0,0005-0,0055	232 mm



Potter-Elvehjem Tissue Homogenizer

- All glass construction
- Clearance between pestle & tube is 0,004" - 0,006"
- Suitable for connective tissue processing

Stock No.	Capacity	Pestle Overall x Shaft OD	Tube Overall x Reservoir OD
1983-10019	1 ml	145 x 5 mm	93 x 13 mm
1983-10021	5 ml	205 x 6 mm	140 x 16 mm
1983-10022	8 ml	215 x 8 mm	150 x 18 mm
1983-10023	17 ml	265 x 10 mm	172 x 25 mm
1983-10024	45 ml	315 x 10 mm	220 x 32 mm



Potter-Elvehjem Tissue Homogenizer with PTFE Pestle

- PTFE pestle and unground tube
- Sizes 21 to 24 have radial serrations on the lower portion of the pestle
- Clearance between pestles and tubes is 0,004" – 0,006"
- Suitable for softer tissues such as brain and liver

Stock No.	Capacity	Pestle Overall x Shaft OD	Tube Overall x Reservoir OD
1983-20018	0,5 ml	130 x 3 mm	80 x 12 mm
1983-20019	1 ml	154 x 5 mm	95 x 12 mm
1983-20020	3 ml	154 x 5 mm	115 x 12 mm
1983-20021	5 ml	215 x 6 mm	140 x 15 mm
1983-20022	8 ml	212 x 6 mm	150 x 19 mm
1983-20023	17 ml	266 x 6 mm	175 x 25 mm
1983-20024	45 ml	269 x 6 mm	220 x 32 mm



Conical Tissue Homogenizer

- Conical shaped pestle
- Large area for most efficient grinding
- Ideal for tissues such as muscle, heart and lung
- Designed for use with homogenizing motors
- Clearance between pestles and tubes is 0,004" - 0,006"

Stock No.	Capacity	Pestle Overall x Shaft OD	Tube Overall x Reservoir OD
1976-10020	1 ml	155 x 4,5 mm	80 x 13 mm
1976-10021	3 ml	210 x 6 mm	120 x 16 mm
1976-10022	5 ml	228 x 6 mm	150 x 18 mm
1976-10023	15 ml	268 x 6 mm	175 x 25 mm
1976-10024	30 ml	305 x 10 mm	215 x 32 mm
1976-10025	50 ml	330 x 10 mm	225 x 38 mm



Tenbroeck Tissue Homogenizer

- Hollow glass pestle allows addition of ice water for chilling samples during homogenization
- Tooled pestle for use with rubber stopper (not supplied)
- Clearance between pestles and tubes is 0,004" - 0,006"
- Ground tube



Stock No.	Capacity/Stopper No.	Pestle Overall x Shaft OD	Tube Overall x Reservoir OD
1982-10002	2 ml/00	160 x 50 mm	100 x 30 mm
1982-10007	7 ml/00	195 x 50 mm	125 x 30 mm
1982-10015	15 ml/1	250 x 65 mm	157 x 38 mm
1982-10040	40 ml/3	315 x 90 mm	215 x 55 mm

Homogenizer Overhead Drive

- For use with stainless steel pestles
- Permanent magnet motor, 5/16" OD shafts
- High speed shaft: 4000 rpm (26 in-lb. torque)
- Low speed shaft: 333 rpm (3,6 in-lb. torque)
- Electronic motor controller
- Switch for reversing pestle direction



Stock No.	Description
1981-20230	Homogenizer Drive
1981-30000	Support Stand
1981-40000	Glass Pestle Adapter, 10 mm
1981-50000	Glass Pestle Adapter, 6 mm

Homogenizer, Collector™ Tissue Sieve

- Prepare cell suspensions and gel extraction of proteins
- All stainless steel construction
- Available with 85 ml or 130 ml pans

Stock No.	Description	Size	Case Qty.
1985-85000	Collector complete*	85 ml	1
1985-13000	Collector complete*	130 ml	1
1985-18500	Collector Pan and Key only	85 ml	1
1985-11300	Collector Pan and Key only	130 ml	1
1985-11516	Glass Pestle only	16 mm	1
1985-28500	Collector Key only		1
1985-00010	Replacement Screen	10 mesh/1910 μ	5
1985-00020	Replacement Screen	20 mesh/860 μ	5
1985-00030	Replacement Screen	30 mesh/520 μ	5
1985-00040	Replacement Screen	40 mesh/380 μ	5
1985-00050	Replacement Screen	50 mesh/280 μ	5
1985-00060	Replacement Screen	60 mesh/230 μ	5
1985-00080	Replacement Screen	80 mesh/190 μ	5
1985-00100	Replacement Screen	100 mesh/140 μ	5
1985-00150	Replacement Screen	150 mesh/94 μ	5
1985-00200	Replacement Screen	200 mesh/74 μ	5
1985-00300	Replacement Screen	300 mesh/46 μ	5
1985-00400	Replacement Screen	400 mesh/38 μ	5
1985-00500	Replacement Screen	500 mesh/25 μ	5

* Collector Complete includes: pan, glass pestle, key and nine screens (one each) 10 to 150 mesh size

