


Put an end to
“Homogenization
Frustration”

with CS1, CS2
Pellet Pestle® and
Glass Homogenizers

KIMBLE  **CHASE**

For immediate assistance . . .

info@kimble-chase.com

www.kimble-chase.com

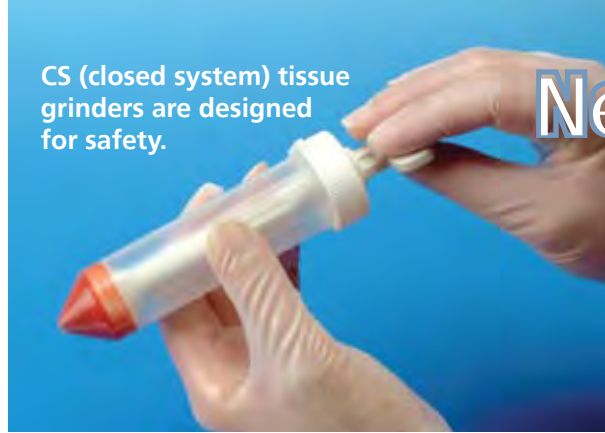
888-546-2531





CS1 Molded Tip

CS2 Vitrified Tip



CS (closed system) tissue grinders are designed for safety.

New!

CS1 and CS2 Closed System Tissue Grinders

- Molded tips for standard grinding
- Vitrified tips for aggressive grinding of tougher tissue
- Sterile and individually packed in convenient, easy-open packs



15 mL



50 mL

Closed System Tissue Grinders minimize personal contact with potentially harmful samples.

Safer Grinding

CS1 Sterile Tissue Grinders for Standard Grinding

- Closed system protects you and your sample
- Convenient and easy-to-use
- Engineered for performance

CS1 Sterile Tissue Grinders are easy to use and designed for your safety. Tissues are ground within a sealed container to minimize the risk of personal contact - exposure to sample aerosols is eliminated. Narrow pestles eliminate the potential of sample overflow common with other types of grinders. The molded-in abrasive surface on the pestle tip leaves no sediment to obstruct sample examination. Each grinder comes with a fully assembled pestle, a conical sample tube with solid top cap, an adhesive identification label and an instruction card. All are gamma sterilized in easy-open Tyvek® packs. Tubes are made of PP, pestles are 30% glass-filled PP and caps are HDPE.

Catalog No.	Description	Case Qty.	Case Price
749600-0015	15 mL	10	97.13
749600-0050	50 mL	10	97.13

CS2 Sterile Tissue Grinders for More Aggressive Grinding

- Vitrified pestle tips for tougher tissues
- Same closed system for your safety

CS2 Sterile Tissue Grinders are similar to the CS1 grinders but with a vitrified tip for more aggressive grinding of difficult samples. The proprietary silica casting process results in a glass-like abrasive tip surface that makes it easier to homogenize fibrous samples. The closed system design allows for grinding to take place within a sealed container. Each grinder comes with a fully assembled pestle, a conical sample tube with solid top cap, an adhesive identification label and an instruction card. All are gamma sterilized in easy-open Tyvek® packs. Tubes are made of PP, pestles are 30% glass-filled PP, caps are HDPE and vitrified tips are cast silica.

Catalog No.	Description	Case Qty.	Case Price
749610-0015	15 mL	10	137.25
749610-0050	50 mL	10	137.25

See the web for our complete line of tissue grinders: www.kimble-chase.com

PELLET PESTLES

Pellet Pestles, RNase / DNase / Pyrogen-Free, Disposable

- Individually wrapped to ensure purity
- Autoclavable blue polypropylene

Catalog No.	Description	Case Qty.	Case Price
749520-0090	1.5 mL RNase-Free Pellet Pestle with Tube	100	133.11
749520-0590	0.5 mL RNase-Free Pellet Pestle with Tube	100	133.11
749521-0590	1.5 mL RNase-Free Pellet Pestle Only	100	107.93
749521-1590	0.5 mL RNase-Free Pellet Pestle Only	100	107.93
749510-0590	0.5 mL RNase-Free Microtube Only	100	32.46
749510-1590	1.5 mL RNase-Free Microtube Only	100	32.46



Pellet Pestles with Matching Tubes, Disposable

- Autoclavable blue polypropylene pestles

Catalog No.	Description	Pestle Length (cm)	Case Qty.	Case Price
749520-0500	0.5 mL Pellet Pestle with Tube	7	100	99.43
749520-0000	1.5 mL Pellet Pestle with Tube	7	100	99.43
749521-0500	0.5 mL Pellet Pestle Only	7	100	81.96
749521-1500	1.5 mL Pellet Pestle Only	7	100	81.96
749560-0500	0.5 mL Tube Only, Natural	—	1000	77.58
749560-1500	1.5 mL Tube Only, Natural	—	500	48.84

Stainless Steel / CTFE Pellet Pestles, Reusable

- For micro centrifuge tubes
- Reusable and autoclavable

Catalog No.	Description	Pestle Length (cm)	Case Qty.	Case Price
749516-0500	0.5 mL Pellet Pestle Only	6	1	70.43
749515-0000	1.5 mL Pellet Pestle Only	14	1	68.01
749515-1500	15 mL Pellet Pestle Only	21	1	88.04
749515-5000	50 mL Pellet Pestle Only	21	1	106.72

Cordless motor makes grinding easy.



Pellet Pestle Cordless Motor

- For all Pellet Pestle mixers, comes complete with two AA batteries

Catalog No.	Description	Case Qty.	Case Price
749540-0000	Pellet Pestle Cordless Motor	1	115.66
749541-0000	Replacement Motor Adapter	1	6.00

Tissue Grinder Kit with Glass and PTFE Pestles

- Includes ground glass, smooth glass and PTFE grinders suitable for tough connective tissue and soft tissue such as brain or liver.
- Kit items are packaged in a convenient high-density polyethylene case with die cut foam inserts that protect grinders in transit and in storage.

Catalog No.	Description	Case Qty.	Case Price
884900-0000	Complete Tissue Grinder Kit	1	427.73



Kit contains one each of the grinders listed below.

Catalog No.	Grinder Type	Pestle Material	Working Cap. (mL) ¹
885470-0000	Micro	Ground Glass	0.2
885490-0017	DUALL® (with cap)	Ground Glass	0.3
885480-0020	DUALL	PTFE	1
885500-0019	Potter-Elvehjem ²	Ground Glass	1
886000-0019	Potter-Elvehjem ²	PTFE	1
885000-0002	Tenbroeck ²	Ground Glass	2
885300-0002	Dounce ³	Smooth Glass	2

Each of the grinders in our kit can be purchased separately.

See the web for details:
www.kimble-chase.com

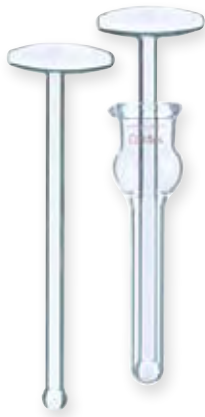
¹ Approximate volume with pestle inserted (except 885490).

² Suitable for motor-driven homogenization.

³ With one large clearance pestle and one small clearance pestle.



GLASS TISSUE GRINDERS



Dounce
(Two pestles supplied.)



Dual®



Micro

Dounce All-Glass Tissue Grinders

Designed for cellular work where the nucleus remains intact after homogenization.

- Large clearance pestle used for the initial sample reduction
- Small clearance pestle used to form the final homogenate
- Replacement components available and completely interchangeable

Catalog No.	Working Cap. (mL)	Pestle "A"		Pestle "B"		Tube Overall Length (mm)	Case Qty.	Case Price
		Large Clearance (in.)	Small Clearance (in.)	Large Clearance (in.)	Small Clearance (in.)			
885300-0000	0.5	0.0025 - 0.0055	0.0005 - 0.0025	37	1	98.61		
885300-0001	1	0.0025 - 0.0055	0.0005 - 0.0025	88	1	98.61		
885300-0002	2	0.0030 - 0.0050	0.0005 - 0.0025	60	1	113.08		
885300-0007	7	0.0028 - 0.0047	0.0008 - 0.0022	125	1	100.01		
885300-0015	15	0.0035 - 0.0065	0.0010 - 0.0030	157	1	112.24		
885300-0040	40	0.0030 - 0.0060	0.0010 - 0.0030	215	1	129.78		
885300-0100	100	0.0020 - 0.0100	0.0005 - 0.0055	232	1	279.17		

DUALL® All-Glass Tissue Grinders

- Combines both conical and cylindrical surfaces to efficiently reduce tissue and produce a uniform homogenate
- Ground glass model for connective tissue such as muscle, heart and lung
- Strong enough to allow the pestle to be motor driven using an adapter
- Replacement components are available and completely interchangeable
- Clearance between pestles and tubes is 0.004" to 0.006"

Catalog No.	Size	Working Cap. (mL)	Pestle Overall Length x Shaft O.D. (mm)		Tube Overall Length x Reservoir O.D. (mm)		Case Qty.	Case Price
			Length	O.D.	Length	O.D.		
885450-0020	20	1	155	6	80	13	1	97.55
885450-0021	21	3	207	6	120	16	1	97.55
885450-0022	22	5	220	8	150	18	1	98.37
885450-0023	23	15	278	10	175	25	1	112.24
885450-0024	24	30	310	10	215	32	1	119.60
885450-0025	25	50	345	16	225	38	1	151.83

Micro All-Glass Tissue Grinders

- Designed for dispersing small quantities of tissue in buffer solution
- PTFE bearing prevents misalignment and avoids aerosol formation
- Packed in six matched sets per carton

Catalog No.	Working Cap. (µL)	Pestle Overall x Shaft O.D. (mm)	Tube Overall Length x O.D. (mm)	Case Qty.	Case Price
885470-0000	200	75 x 3	33 x 8	6	235.09

Tissue Homogenizer Quick Reference Chart

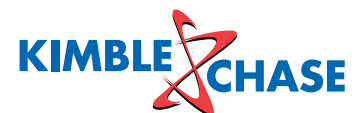
Style	Desired Action	Tissue Types
Dounce	cells separated but nucleus left intact	brain, kidney, liver, lung, spleen, thymus
Dual®	cells ruptured to release contents	muscle, heart, connective tissue
Micro	cells ruptured to release contents	muscle, heart
Potter-Elvehjem	cells ruptured to release contents	brain, kidney, liver, lung, spleen, thymus
Tenbroeck	cells ruptured to release contents	muscle, heart, connective tissue

To order, contact your local distributor or the office listed below.

Call Toll-Free: 888-546-2531

www.kimble-chase.com
info@kimble-chase.com

Customer Service Hours
8 am - 5 pm, US EST



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See more tissue grinders on our web.
kimble-chase.com