



DLAB Scientific Inc.

2311 E. Locust Court, Ontario, CA 91761 United States.

Office: +1-747-230-5179

Fax: +1-909-230-5275

Sales contact: info@dlabsci.com

Service contact: service@dlabsci.com

www.dlabsci.com

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CATALOGUE

www.dlabsci.com

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THERMOL CONTROL



CENTRIFUGES



DISTILLING & MIXING

LIQUID HANDLING





Company Profile

Based in Los Angeles, California, DLAB Scientific Instrument Inc. is a leading company which designs and manufactures a variety of high quality laboratory instruments and equipments for scientific and clinical research. Our products offer unparalleled performance and value.

All DLAB products are designed and manufactured in accordance with ISO9001 / 13485. We are positioned to be an one-stop supplier of a wide range of general laboratory devices & instruments, covering chemical, biological, and clinical diagnostic labs. Our products are backed by highly trained experts and technical professionals to provide timely and effective technical support.

Our dedicated and experienced R&D team and sourcing capability enable DLAB to provide you with the most cost-effective and timely total solutions. Through our enabling products, we bring high performance, great reliability, high accuracy and unbeatable value.

OEM & ODM are also available on request. We are experienced in developing and providing customized instruments to suit all OEM applications. DLAB has established partnerships with many prestigious companies throughout the world.

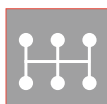


Homogenizers

D-160 Handheld Homogenizer

Features:

- Ideal for manual operation due to its light weight and ergonomic design
- Processing range: 0.1-50mL or 1-250mL
- 316L stainless steel shafts are fully autoclavable and inert for highly corrosive solutions
- All shafts are interchangeable for easy dismantling and cleaning.
- 6 modes of motor speed from 8,000 to 30,000 rpm



6 shift adjustable



Wide range of accessories

D-500 Homogenizer

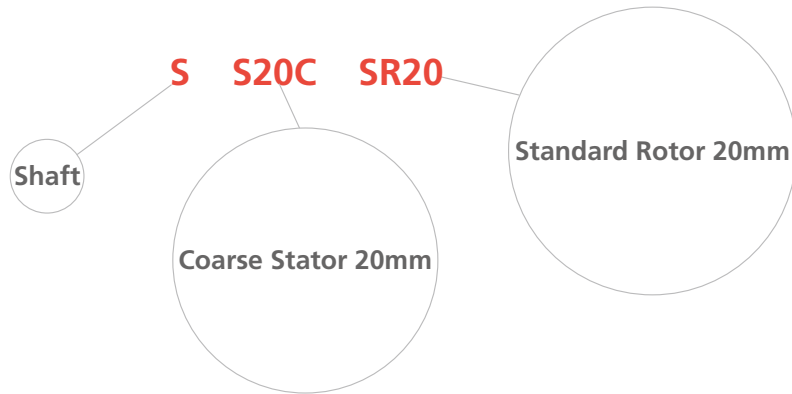
Features:

- Viscosity up to 10,000 mPas
- 6 modes of motor speed from 10,000 to 30,000 rpm
- All-round safety guarantee for motor drive, overload protection and smooth operation
- 316L stainless steel shafts are fully autoclavable and inert for highly corrosive solutions
- Easy dismantling for fast preparation
- All shafts are interchangeable for easy dismantling and cleaning



Specifications

	D-160	D-500
Power Supply	110-120V/60Hz 220-240V / 50-60 Hz	110-120V/60Hz 220-240V/50-60 Hz
Motor Type	Universal motor 160 W AC carbon brush motor	500 W AC carbon brush motor
Speed Range	8000-30000rpm	10000-30000rpm
Max. Circum. Speed	6.3-14m/sec	22.7-36m/sec
Speed Control	Dial knob 6 stage	Dial knob 6 stage
Working Volume [H ₂ O]	0.1-50mL (Dispersing shaft DS-160/5) 1-250mL (Dispersing shaft DS-160/10)	10-40000mL (Optional)
Max. Viscosity	5,000mPas	10,000 mPas
Material of Dispersing Shaft	SS 316L stainless steel, PTFE	SS 316L stainless steel, PTFE
Weight	0.6 kg	1.3 kg
Dimension [L x W x H]	46mm x 55mm x 230mm	70mm x 70mm x 255mm
Noise	72 dB(A)	79 dB(A)
Operating Environment	0-40°C, 85% rel. humidity	0-40°C, 85% rel. humidity
Protection Class	IP20	IP20



D-500 Homogenizer

DS-500/1

Volume 10-5000mL
Max. Circum. Speed 22.7m/sec
Material: 316L
Application: for solid/liquid media

DS-500/2

Volume 10-5000mL
Max. Circum. Speed 22.7m/sec
Material: 316L
Application: for water and oil mixing

DS-500/5

Volume 10-5000mL
Max. Circum. Speed 5,8m/sec
Material: 316L
Application: Ideal for all homogenizing applications such as tissue homogenization, cell disruption, suspensions and clinical and medical diagnostics

Cat. No.

18201331



Cat. No.

18201332



Cat. No.

18900117



D-160 Handheld Homogenizer

DS-160/5

Volume 0.1-50ml
Max. Circum. Speed 6.3m/sec
Material: 316L
Application: small amounts of solid-liquid mixed

DS-160/10

Volume 10-5000mL
Max. Circum. Speed 22.7m/sec
Material: 316L
Application: small amounts of solid-liquid mixed

Cat. No.

18201329



Cat. No.

18201330



Homogenizers | Accessories

Summary of Options

Cat. No.	Combination Stator+Rotor	Compatible	Working Volume	Diameter of Rotor	Diameter of Stator	Min/Max Immersion Depth	Application
18201329	DS-160/5	D-160	0.1-50ml	3mm	5mm	7/50mm	Small amounts of solid-liquid mixed
18201330	DS-160/10	D-160	1-250ml	6mm	10mm	10/120mm	Small amounts of solid-liquid mixed
18900117	DS-500/5	D-500	1-50ml	4mm	5mm	10/60mm	Small amounts of solid-liquid mixed
18201331	DS-500/1	D-500	10-5000ml	15mm	20mm	40/175mm	solid-liquid mixed
18201332	DS-500/2	D-500	10-5000ml	15mm	20mm	40/175mm	lactescence
18900205/18900215	S20C + CR20	D-500	10-5000ml	15mm	20mm	40/175mm	tissue fibrosis
18900205/ 18900216	S20C + MR20	D-500	10-5000ml	15mm	20mm	40/175mm	solid-liquid mixed
18900206/ 18900215	S20F + CR20	D-500	10-5000ml	15mm	20mm	40/175mm	tissue fibrosis
18900206/18900216	S20F + MR20	D-500	10-5000ml	15mm	20mm	40/175mm	solid-liquid mixed
18900213/18900208	S30C + SR30	D-500	100-8000ml	23mm	30mm	40/175mm	solid-liquid mixed
18900120/ 18900126	S30C + CR30	D-500	100-8000ml	23mm	30mm	40/175mm	tissue fibrosis
18900213/ 18900229	S30C + MR30	D-500	100-8000ml	23mm	30mm	40/175mm	solid-liquid mixed
18900121/ 18900124	S30F + SR30	D-500	100-8000ml	23mm	30mm	40/175mm	solid-liquid mixed
18900228/ 18900212	S30F + ER30	D-500	100-8000ml	23mm	30mm	40/175mm	lactescence
18900228/ 18900229	S30F + MR30	D-500	100-8000ml	23mm	30mm	40/175mm	solid-liquid mixed
18900213/ 18900216	S30C + MR20	D-500	250-20000ml	23mm	30mm	40/175mm	stirring
18900214/ 18900229	S40C + MR30	D-500	1000-40000ml	23mm	30mm	40/175mm	stirring

Stator



S20C



S20F



S30C



S30F



S40C

Rotor



SR20



SR30



CR20



CR30



CR40



MR20



MR30



ER20



ER30