

DARSUN
SCIENTIFIC



High-throughput Homogenizer



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High-throughput Homogenizer

DS-Grinder 96



DS-Grinder 96 homogenizes a broad variety of biological samples due to high frequency vertical vibration, which is controlled by frequency converter. Various adaptors for options accommodating tubes from 2ml to 50ml, commonly used for sample pretreatments in industries of biology, microbiology, medical analysis and etc. Touch screen and UI design are user-friendly and easy-to-operate, it will be a good assistant in a laboratory.

Specification

- Touch screen
- Applied to various samples
- Replaceable tube adaptors
- Maintenance free, low noise
- Reinforced motor with strengthened main shaft
- Adjustable frequency, editable program

Model	DS-Grinder 96
Frequency Range	30HZ-70Hz
Feed size	According to tube size
Final Fineness	~5µm
Grinding beads diameter	0.1-30mm
Noise Level	<55db
Grinding method	wet grinding, dry grinding, cold grinding (no refrigerated function)
Grinding beads material	Alloy steel, chrome steel, zirconia, tungsten carbide, quartz sand
Acceleration Time	Within 2sec
Deceleration Time	Within 2sec
Tube Holder Materials	PTFE/Alloy steel/Aluminum alloy
Safety Guard	Emergency stop button
Voltage	AC100-120V/AC200-240V 50/60Hz
Size (W×D×H)	460x410x520(mm)
Weight	52kg
Power	450W
Capacity	32×2ml/24×2ml/48×2ml/64×2ml/96×2ml/24×5ml/8×15ml/4×25ml//2×50ml

///Optional accessories									
No.	Name	Material	Picture	Tube type	Max. tubes Qty	Sample Feed size	Sample Vol. per tube	Beads size	Beads Qty per tube
1	24x2ml Tube adapter	Plastic			24	1mm	0.2-0.5ml	3mm	2-3
2	32x2ml Tube adapter	Plastic			32	1mm	0.2-0.5ml	3mm	2-3
3	48x2ml Tube adapter	Plastic			48	1mm	0.2-0.5ml	3mm	2-3
4	64x2ml Tube adapter	Plastic			64	1mm	0.2-0.5ml	3mm	2-3
5	96x2ml Tube adapter	Plastic			96	1mm	0.2-0.5ml	3mm	2-3
6	24X5ml Tube adapter	Plastic			24	2mm	0.5-2.0ml	5mm	2-3
7	8X15ml Tube adapter	Plastic			8	5mm	2.0-4.0ml	10mm	1
8	4X25ml Tube adapter	Plastic			4	6mm	4.0-10.0ml	15mm	1
9	2X50ml Tube adapter	Plastic			2	8mm	8.0-20.0ml	20mm	1
10	24x2ml Tube adapter	Al. alloy			24	1mm	0.2-0.5ml	3mm	2-3
11	32x2ml Tube adapter	Al. alloy			32	1mm	0.2-0.5ml	3mm	2-3
12	48x2ml Tube adapter	Al. alloy			48	1mm	0.2-0.5ml	3mm	2-3

///Optional accessories

1	Accessories Of grinder-96	G4-03		Stainless steel grinding beads 3mm
2	Accessories Of grinder-96	G4-05		Stainless steel grinding beads 5mm
3	Accessories Of grinder-96	G4-10		Stainless steel grinding beads 10mm
4	Accessories Of grinder-96	G4-15		Stainless steel grinding beads 15mm
5	Accessories Of grinder-96	G4-20		Stainless steel grinding beads 20mm