

Multisizer 4e COULTER COUNTER Apertures

High resolution sizing, counting and size distribution of cells, particles or sub-visible particles.

Multisizer 4e COULTER COUNTER Specifications

	Aperture (Nominal Diameter, μm)	Range (μm)			Range (μm³ or fL)		
		Total	Standard	Extended	Total	Standard	Extended
	10†	0.2-8	0.2-6	6-8	0.004 – 268 × 10³	0.004 – 113	113 – 268 × 10³
	20†	0.4-16	0.4-12	12-16	0.034 – 2.14 × 10³	0.034 – 905	905 – 2.14 × 10³
	30†	0.6-24	0.6-18	18-24	0.113 – 7.24 × 10³	0.113 – 3.05 × 10³	3.05 × 10³ – 7.24 × 10³
	50††	1-40	1-30	30-40	0.524 – 33.5 × 10³	0.524 – 14.1 × 10³	14.1 × 10³ – 33.5 × 10³
	70††	1.4-56	1.4-42	42-56	1.44 – 92.0 × 10³	1.44 – 38.8 × 10³	38.8 × 10³ – 92.0 × 10³
	100††	2-80	2-60	60-80	4.19 – 268 × 10³	4.19 – 113 × 10³	113 × 10³ – 268 × 10³
	140††	2.8-112	2.8-84	84-112	11.5 – 736 × 10³	11.5 – 310 × 10³	310 × 10³ – 736 × 10³
	200††	4-160	4-120	120-160	33.5 – 2.14 × 10⁶	33.5 – 905 × 10³	905 × 10³ – 2.14 × 10⁶
	280	5.6-224	5.6-168	168-224	92.0 – 5.88 × 10⁶	92.0 – 2.48 × 10⁶	2.48 × 10⁶ – 5.88 × 10⁶
	400	8-320	8-240	240-320	268 – 17.2 × 10⁶	268 – 7.24 × 10⁶	7.24 × 10⁶ – 17.2 × 10⁶
	560	11.2-448	11.2-336	336-448	736 – 47.1 × 10⁶	736 – 19.9 × 10⁶	19.9 × 10⁶ – 47.1 × 10⁶
	800†††	16-640	16-480	480-640	2145 – 137 × 10⁶	2145 - 57.9 × 10⁶	57.9x106 – 137 × 10⁶
	1000†††	20-800	20-600	600-800	4189 – 268 × 10⁶	4189 – 113 × 10⁶	113.1 × 10⁶ – 268 × 10⁶
2000†††	200-1600	200-1200	1200-1600	4.19 × 10⁶ – 2.14 × 10⁹	4.19 × 10⁶ – 905 × 10⁶	905 × 10⁶ – 2.14 × 10⁹	
	† Range depends upon system cleanliness and environmental electromagnetic noise †† Available in high resolution apertures ††† Range depends upon sample density						
Aperture Diameter	10 μm to 2000 μm apertures (nominal diameters)						
Aperture Dynamic Range	Standard 1:30 (by diameter)		Total 1:40 (by diameter)		Standard 1:27,000 (by volume)		Total 1:64,000 (by volume)
Aperture Range	Total range: 2% to 80% of aperture diameter. Standard Range: 2% to 60% of aperture diameter. Extended Range: 60% to 80% of aperture diameter						

Ordering Information

Part Number	Description
B43905	Multisizer 4e COULTER COUNTER

Key Features:

- Digital Pulse Processor (DPP)
- Dynamic size measurements
- Provides number, volume, mass and surface area size distributions in one measurement
- Overall sizing range of 0.2 μm to 1600 μm
- Not affected by particle color
- Increased dynamic range
- Increased resolution
- Proven technology
- Quality assurance friendly

Characterized
by ingenuity





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