### GüadCount<sup>TM</sup> Automated Cell Counter



#### Eliminate human error and count with confidence...



- Fast, accurate and reproducible results
- Intuitive software with auto-focus and touch-screen interface
- Cost-effective QuadSlides<sup>™</sup> disposable slides with four individual chambers
- Increased counting accuracy, with counting volumes up to 3.6µl

The Accuris QuadCount<sup>™</sup> improves on the simple technique of brightfield microscopy by utilizing an LED light source, precision optics and a high resolution CMOS detector. A finely tuned, motorized XYZ positioning stage provides for extra fine focusing and the ability to capture multiple images.

It's never been easier to perform FAST, ACCURATE cell counts:

1
2
3

Image: Construction of the system of the

## QüadCount™

With count speeds at fast as 20 seconds per sample, the Accuris QuadCount provides many advantages over the tedious and time consuming manual hemocytometry method. The advanced software eliminates human bias in dead/live determinations, reduces counting errors, saves time, and improves efficiency.



The QuadCount utilizes a unique 4-chambered disposable QuadSlide<sup>™</sup>. Four samples can be processed in one slide (twice the capacity of standard 2-chambered slides), decreasing consumable costs. Each chamber has a hydrophilic inner surface with an engraved grid pattern. High precision production and molding ensure that each QuadSlide meets the rigorous standards and dimensional tolerances required for optimal counting performance.

3 count modes available to analyze different sample volumes:

Quick Mode:0.15uL / 20 seconds (1 image frame)Normal Mode:0.9uL / 30 seconds (6 image frames)Precise Mode:3.6uL / 100 seconds (24 image frames)

The QuadCount's ability to analyze larger sample volumes/multiple images, provides significantly better accuracy.



### Advanced optics and imaging technology



## QüadCount™

Correct focus is crucial for accurate counts of viable cells. The QuadCount's proprietary autofocus system and image analysis software work in conjunction with the motorized stage to analyze and capture images in the proper focal plane.

Advanced detection algorithms easily manage irregularly shaped and aggregated cells. Often misinterpreted by visual counting, correct analysis of these cells is performed by QuadCount's software, resulting in more accurate counts. User to user variation is eliminated.





### Intuitive user interface

After images are captured, the cell count parameters are easily adjusted.

1) Gating size range 2) Aggregation level 3) Live/dead definition

Cell population statistics

are viewed as a histogram

and cell size gating can be adjusted. Choose to view

the histogram data for

individual or multiple







# QüadCount™

#### **Specifications and Ordering Information**

QüadCount™

a slide

	Optics:	High quality 4x objective lens
Specifications		
	Image Detection:	5 mega pixel CMOS sensor
	Illumination:	Green LED (50,000 hrs.)
	Sample Volume:	20µl (4 samples per QuadSlide)
	Max Counting Volume:	3.6μl (24 image captures)
	Consumable Slide:	QuadSlide™, 4 chamber
	Counting Modes:	Quick (20 sec.), Normal (30 sec.)
		& Precise (100 sec.)
	Dynamic Range:	1x10 <sup>4</sup> to 1x10 <sup>7</sup> cells/ml
	Cell Size Range:	5 - 60μm
	Dimensions: (LxWxH)	6.4x11.5x8.5in. 16.3x29.3x21.6cm
	Weight:	11 lbs (5kg)
	Electrical:	100VAC-240VAC, 50/60Hz

		Item No.	Description
Ordering	0.0		
	at	E7500	QuadCount Automated Cell Counter, 115V
	Ē		*includes USB flash drive
	L C	Е7500-Е	QuadCount Automated Cell Counter, 230V
	lfd		*includes USB flash drive
	<u> </u>	E7500-S1	QuadSlides, four chamber slides, 50/pk

#### Also available from Accuris and Benchmark:





A Division of Benchmark Scientific Inc. PH: 908-769-5555 www.accuris-usa.com EM: info@accuris-usa.com