

CellDrop™

Automated Cell Counter

Count Cells Without Slides

- | **Sustainable** - Reduce Costs and Plastic Use
- | **Trusted** - Used by Thousands of Researchers Worldwide
- | **Optimized** - Widest Range of Sample Types
- | **Flexible** - DirectPipette™ (No Slides), Reusable or Plastic Slides



Why Do Scientists Choose CellDrop™?

Unmatched Cell Counting Performance

Fast, Accurate and Easy to Use - Counts & Viability in Under 10 Seconds

Improve Lab Sustainability and Reduce Costs

Unique DirectPipette™ Technology Removes the Requirement for Slides

Measurement Mode Flexibility

DirectPipette™, Reusable or Single-Use Slide Modes

Dual Fluorescence and Brightfield Imaging

Increased Accuracy for Cultured Cells, Primary Cells, Nuclei and More



DirectPipette™ Technology

CellDrop's patented design replaces hemocytometers and plastic slides with an innovative wipe clean, variable height chamber.

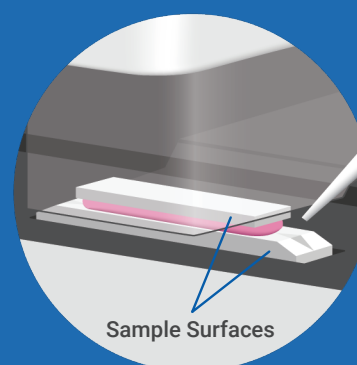
- Fast, reliable workflow
- Use as little as 2.5 µL of sample
- Variable chamber height enables the widest cell density range



Load Cell Suspension
into Sample Chamber



Count, Analyze and
Wipe Clean in Seconds



A sample chamber is formed between **two permanent, parallel, optical grade sapphire surfaces**. The sample can be loaded from either side and is held in place by surface tension.

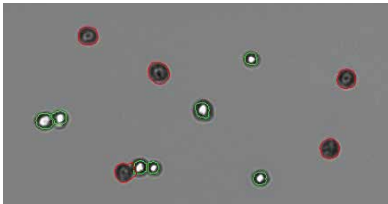
Slide Mode

- **Single-Use Plastic Slides:** for hazardous samples or workflows that require sample containment
- **Reusable Slides:** environmentally-friendly alternative to plastic slides when sample containment is required

Models and Applications

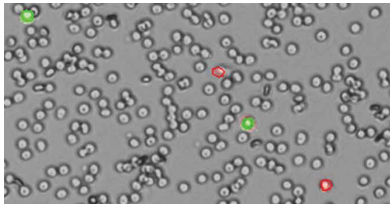


	Fluorescence & Brightfield	Brightfield Only
Standard Magnification 4X Objective 4 - 400 μ m Cells	CellDrop FLi Tissue Culture Primary Cells Isolated Nuclei Hepatocytes GFP Fixed Samples Plant Cells Insect Cells	CellDrop BF Tissue Culture Low Debris
High Magnification 10X Objective 2 - 20 μ m Cells	CellDrop FLxi Stem Cells Yeast Other Small Cells	CellDrop BFx Yeast Low Debris Other Small Cells



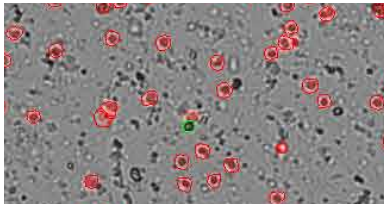
Tissue Culture

Viability staining of tissue culture with Trypan Blue or Erythrosin B.



Primary Cells

Easily differentiate PBMCs from non-nucleated RBCs and debris with AO/PI.

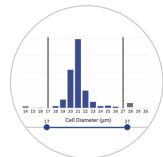


Nuclei

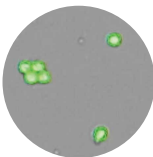
Count isolated nuclei and intact cells from either fresh, frozen or fixed samples.

EasyApps™ Software: Cell Counting Made Easy

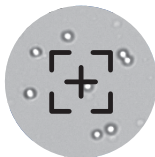
DeNovix software is designed by life scientists, for life scientists. Optimized apps make CellDrop simple to use and ensure that cell counts are standardized and reproducible across all members of the lab.



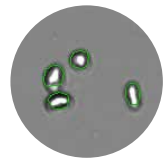
Cell Size Gating



Advanced Declustering



Autofocus



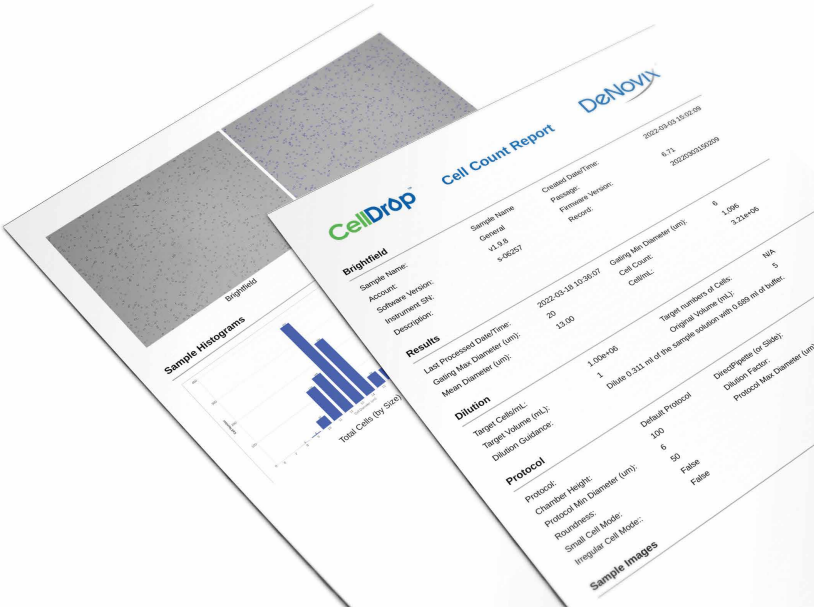
Irregular Cell Detection



Flexible Data Export



GxP Compliance Ready



Purchase Options

DeNovix offers a selection of purchase options to fit all lab budgets, throughput and workflows. Select a plan for DirectPipette counts or use slides at no cost per count. Any plan may be upgraded to Unlimited at any time.

Count Option	Description
Unlimited	Unlimited DirectPipette counts for instrument lifetime
Protect Plus	Annual plan for unlimited DirectPipette counts including full warranty
Subscription	Annual plan for unlimited DirectPipette counts
Pay-As-You-Go	Purchase DirectPipette counts as needed
Reusable Slide	Limitless slide counts on any model with one-time purchase of a reusable slide
Plastic Slides	Limitless slide counts on any model using a range of commercially available plastic slides

Specifications

Dynamic Range	7 x 10 ² - 2.5 x 10 ⁷ cells / mL	Connectivity	Wi-Fi, Ethernet, HDMI, 3 USB Ports
Chamber Height	50, 100 or 400 µm	Footprint (LxWxH)	37 x 21 x 18 cm
Sample Volume	5, 10 or 40 µL	Weight	4.4 kg
Measurement Speed	3 Seconds - Brightfield 8.5 Seconds - Dual Fluorescence	Certifications	UL/CSA, CE, FCC, Japan CAB
Brightfield Illumination	LED 530 nm	Warranty	2 Years
Fluorescence Illumination	LED 470 nm	Colors	☐ ☒
Emission Filters	525 nm +/- 25 nm 645 nm +/- 37 nm		



View All
Specifications

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