OXFORD OPTRONIX

GelCount™

The leading colony counter for cancer biologists

Taking the strain out of the colony forming assay.

With 100's of peer-reviewed citations and a worldwide user-base, the GelCount has become the solution of choice for cancer biologists employing the colony formation assay, a gold standard method in anti-cancer drug discovery.

Fully Integrated. GelCount represents an all-in-one solution for imaging, counting and characterizing adherent or non-adherent colonies on a single integrated hardware and sophisticated PC software platform.

Versatile. Suitable both for adherent cell types and for non-adherent cell types (soft agar, methyl cellulose, suspension assays). Compatibility with multi-well plates (6- to 96-well), Petri dishes and T25 flasks. Selectable imaging resolution.

Performance and Throughput. The GelCount dramatically improves counting throughput and counting objectivity. Processing four 6-well plates at high resolution takes less than 15 minutes. High depth-of-field optics allow single-pass imaging of colonies and spheroids as small as 30 µm in diameter in medium up to 5 mm deep.

Colony Diameter Information. As well as colony counts, GelCount automatically calculates colony diameters (mean per well/dish, histogram distribution, or even per colony), providing a key additional measureand that cannot be generated with manual colony processing.

Powerful, Objective, Flexible. A dedicated image processing algorithm objectively applies colony detection rules that are fully user-definable, including a minimum colony diameter cut-off, while distinguishing overlapping colonies and suppressing false positives. Numerical data are automatically exported to Microsoft® Excel®, while images can be saved either as raw images for 'off-line' processing, or as generic bitmap images for printing, presentations, etc.

Off-line Image Processing. The software is supplied free of license restrictions and can be installed on any number of workstations. In this way GelCount provides the flexibility for raw colony images to be processed 'off-line' at the user's convenience, without tying up the imager for other users.

Warranty and Support. The GelCount is supplied with a 2-year comprehensive manufacturer's warranty, optionally extendable via an extended warranty package. Technical support and software updates are provided free of charge for the lifetime of the product.

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