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Compare LUNA™ Models

Models



Cell types	Cell lines	Cell lines Primary cells Blood cells PBMCs Splenocyte Thymocyte Yeast	Cell lines	SVF Nucleated and non-nucleated cells
Cell viability dyes	Trypan blue Erythrosin B	Trypan blue Erythrosin B AO/PI (acridine orange and propidium iodide)	Trypan blue Erythrosin B	AO/PI (acridine orange and propidium iodide)
Counting speed	< 10 seconds with manual focusing < 15 seconds with autofocusing	< 10 seconds (BF mode) < 30 seconds (fluorescence mode)	< 10 seconds	< 30 seconds

Models



Image cytometry

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GFP expression analysis

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Protocols

User-defined protocol
Cell size (3 ~ 60 μ m)
Roundness
Live cell detection
sensitivity
Declustering level
Dilution factor

Cell size gating after
counting

User-defined protocol
Cell size (1 ~ 90 μ m)
Roundness
Live cell detection sensitivity
Declustering level
Dilution factor

Cell size gating after counting
Fluorescence intensity gating (GFP analysis
mode)

User-defined protocol
Cell size (3 ~ 60 μ m)
Roundness
Live cell detection
sensitivity
Declustering level
Dilution factor

Cell size gating after
counting

User-defined protocol
Cell size (1 ~ 90 μ m)
Roundness
Live cell detection sensitivity
Declustering level
Dilution factor

Cell size gating after
counting

Image & Reports

5 MP image resolution
TIF, annotated TIF
Automatically saved
counting results (CSV)
Full report (PDF)

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