

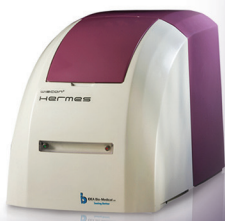
Introducing: The Hermes Product Family

Feature	Industrial HT: Hermes Drug Discoverer	Industrial HT 7clrs: Hermes Drug Discoverer Pro	Live Cell HT 7clrs: Hermes Supreme Vision
Fluorescence Channels	4	7	7
Transmitted Light (Bright Field)	√	√	√
Laser Auto Focus	√	√	√
Live Cell Experiments	-	-	√
Z Stack for 3D Imaging	√	√	√
Objectives Included	3 objectives selectable from 2X-60X air objectives with high NA Optional 20X/0.85 and 60X/1.42 oil immersion objectives with automated oil feeding in closed loop		
Object Mapping (Rare Event Detection)	√	√	√
WiSoft® Minerva Developers Analysis SW	√	√	√
Enhanced Throughput Speed	√	√	√
Automation Interface to Robotic Arms	√	√	-
Sampled Assay	Spheroid / Organoid Imaging	Multiplexed Drug Studies	Imaging Cytometry
Applications	Spheroid / Organoid imaging Cell viability / Cytotoxicity; Autophagy; Apoptosis Dose response assays Characterizing disease mechanisms / drug mechanisms Gene therapy assays Lipid accumulation assessment for drug effect studies Assess protein-protein interactions in living cells with Fluorescence Resonance Energy Transfer (FRET) FRAP for protein in-vitro MDR - characterize Multi Drug Resistance in cancer cells		



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Introducing: The Hermes Product Family

Feature	Entry Level: Hermes Lab Partner	Live Cell Basic: Hermes Real Time Observer	Live Cell HT: Hermes Real Time Observer Pro
Fluorescence Channels	2	4	4
Transmitted Light (Bright Field)	√	√	√
Laser Auto Focus	√	√	√
Live Cell Experiments	-	√	√
Z Stack for 3D Imaging	√	√	√
Object Mapping (Rare Event Detection)	√	√	√
Objectives Included	3 objectives selectable from 2X-60X air objectives with high NA Optional 20X/0.85 and 60X/1.42 oil immersion objectives with automated oil feeding in closed loop		
WiSoft® Minerva Developers Analysis SW	√	√	√
Enhanced Throughput Speed	-	-	√
Sampled Assay	Cytotoxicity	Proliferation, Translocation	Protein accumulation & degradation, Granularity
Biological Applications	Cell viability / Cytotoxicity; Apoptosis ; Autophagy Microbial assays - bacteria counting; Bacteria viability & vitality Proliferation assays Endocytosis; Phagocytosis Cell adherence; Cytoskeleton & adhesion studies Proximity assays; Golgi tracking Protein localization & translocation; Protein degradation assays (t_{1/2}) / ubiquitination; Protein aggregation / accumulation Assay; Dose response "In-Cell Western"- gross assessments of native protein expression / phosphorylation Transfection efficiency assay Subcellular distribution analysis		



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