

PROSPECTING GUIDE FOR CELL CULTURE

Why use a microscope? Routinely examine cultures for contamination, assess cell health and determine when to split cells.

■ IF YOU SEE THIS ...



Cell culture media; transfection reagents; gene editing / electroporation; antibodies; pipette gun; incubator; flasks; multiwell plate

■ IF YOU HEAR THIS ...

Cell culture; tissue culture; cell check; confluency; transfection; fluorochromes; fluorescent proteins; image acquisition; cell sorting; cell analysis

■ TARGET WORKFLOWS

Live cell; upstream / downstream; cell studies; viral vectors; product testing (biocompatibility, vaccines, drug development); biomarker discovery; structural biology; assays; imaging

■ QUESTIONS TO ASK

- > Are you doing 2D or 3D cell or tissue culture?
- > What magnifications do you typically need to examine your cells?
- > Will you need fluorescence, now or in the future?
- > Will you need a camera to acquire images of your cells, now or in the future?
- > Are you performing cell culture analysis on your samples?

■ OUR CELL CULTURE SOLUTIONS



Mateo TL



Mateo FL



DMi1



DM IL LED



DM IL Cell Factory



Why sell our products?

Enables all lab members to check and document cell growth status and confluency conveniently and comfortably with 1-click!

Fluorescence-equipped digital inverted microscope. Easily check cell culture confluency, cell counting and cell transfection efficiency for advanced research applications.

A wide range of working distances makes the DMi1 the perfect partner for your live cell laboratory.

With a long working distance, the standard DM IL microscope allows you to conveniently monitor large cell culture flasks.

If your cell production reaches the next level, Cell Factory is the right choice. With a transmitted light arm of 480 mm, large multi-layer vessels can be checked – even using fluorescence.

LEICA MICROSYSTEMS' WORKFLOW SOLUTIONS FOR CELL CULTURE

■ Routine Microscopes



Catalogue Part No.	77676-390	77676-388	77676-392 OR 77676-394	77865-534 OR 77865-536
	DMi1	Mateo TL	DM IL LED	Mateo FL
Contrast	Phase contrast & Brightfield	Phase contrast & Brightfield	Phase contrast, BF, Integrated Modulation Contrast (IMC), Fluorescence	Phase contrast, Brightfield, Fluorescence
Camera	Optional Color Camera	Integrated Color Camera	Upgradeable Color or Monochrome Camera	Integrated Color and Monochrome Cameras
Fluorescence	No	No	Upgradeable	Yes
Magnification	4×, 10×, 20×, 40×	4×, 10×, 20×, 40×	4×, 10×, 20×, 40×, 63×	4×, 10×, 20×, 40×, 63×
Modularity	Optional attached monitor	Optional confluency checker	Upgradeable fluorescence, documentation, objectives	Optional objectives and filters
Competition	Nikon ECLIPSE Ts2, Evident CXK53	EVOS XL Core	Nikon ECLIPSE Ts2 FL	Zeiss Axiovert Digital 5, EVOS
Price range	\$ → \$\$\$			