

Zeiss PALM MicroBeam Laser Microdissection Microscope  
Specifications

<b>Item</b>			
Microscope	Axio Observer 7 with stage insert for <ul style="list-style-type: none"> <li>• glass slides (maximum length: 78 mm)</li> <li>• 35 mm and 50 mm dishes</li> <li>• 24 - 60 mm dishes (universal)</li> </ul>		
Camera	<ol style="list-style-type: none"> <li>1. Axiocam 506 mono</li> <li>2. Axiocam 506 color</li> </ol>		
Software	PALM Robo 4.8 Pro (connected to WACOM PEN display DTK2451)		
Cutting and Catapulting Laser	CryLaS (355 nm) UV laser		
Objective Options	Magnification	NA	Dry/Oil
	Fluar 5x	0.25	Dry
	Fluar 10x	0.5	Dry
	LD Plan-Neofluar 20x	0.4Corr	Dry
	LD Plan-Neofluar 40x	0.6Corr	Dry
	LD Plan-Neofluar 63x	0.75Corr	Dry
	EC Plan-Neofluar 100x	1.3	Oil

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Filter Options	Position in Microscope	Filter Set	Excitation	Emission	Dyes
	1	Laser	n.a.	n.a.	n.a.
	2	44	BP 475/40	BP 530/50	Alexa 488, eGFP, FITC, Fluorescein, GFP, Oregon Green, SYBR Green I
	3	45	BP 560/40	BP 630/75	Alexa 568, Cy 3.5, DsRed, MitoTracker Red
	4	96	BP 390/40	BP 450/40	DAPI, BFP, Alexa 405
Sample Requirement	Applicable to cryosections and FFPE (formalin-fixed and paraffin embedded tissues)				
Accessories	Collectors: <ul style="list-style-type: none"> <li>• 8-tube collector (200 <math>\mu</math>l and 500 <math>\mu</math>l)</li> <li>• Capture plate collector 96 (for use with capture plate 96)</li> <li>• Cap collector 12 <math>\times</math> 8</li> <li>• Single tube collector 500RM and 200RM</li> <li>• Single cap collector 500RM and 200RM</li> </ul>				

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Consumables	Slides: <ul style="list-style-type: none"><li>• Membrane slide 1.0 PET</li><li>• Membrane slide 1.0 PEN</li></ul>
	Collection Tubes: <ul style="list-style-type: none"><li>• Muster microtube 500</li><li>• Microtube 500</li><li>• Adhesive cap 200 clear</li><li>• Adhesive cap 500 opaque</li></ul>
	Live Cell Culturing and Cutting: <ul style="list-style-type: none"><li>• Duplex dish (35 mm and 50 mm)</li><li>• Membrane ring (35 mm and 50 mm)</li></ul>