



# MACSQuant 10 (8 colors)



40mW

Violet 405 nm	Band pass filter	Channel	Miltenyi Biotec dyes	Other dyes	
	450/50 nm	V1	VioBlue	<ul style="list-style-type: none"> <li>• CFP</li> <li>• BFP</li> <li>• DAPI</li> <li>• AlexaFluor405</li> <li>• DyeCycle Violet</li> </ul>	<ul style="list-style-type: none"> <li>• Pacific Blue</li> <li>• BD Horizon V450</li> <li>• Cascade Blue</li> <li>• eFluo450</li> <li>• Hoechst Dyes</li> </ul>
525/50 nm	V2	VioGreen	<ul style="list-style-type: none"> <li>• Pacific Orange</li> <li>• Horizon V500</li> <li>• GFP</li> </ul>	<ul style="list-style-type: none"> <li>• Krome Orange</li> <li>• AlexaFluor430</li> </ul>	

30mW  
and  
scatter

Blue 488 nm	Filter	Channel	Miltenyi Biotec dyes	Other dyes	
	525/50 nm	B1	FITC	<ul style="list-style-type: none"> <li>• DyLight488</li> <li>• GFP</li> <li>• CFSE</li> </ul>	<ul style="list-style-type: none"> <li>• AlexaFluor488</li> <li>• YFP</li> </ul>
	585/40 nm	B2	PE		
	655-730 nm	B3	PerCP, PerCP-Vio680	<ul style="list-style-type: none"> <li>• PE-Cy5</li> <li>• PE-Cy5.5</li> <li>• PI</li> </ul>	<ul style="list-style-type: none"> <li>• PerCP-Cy5.5</li> <li>• 7-AAD</li> </ul>
	750 nm LP	B4	PE-Vio770	<ul style="list-style-type: none"> <li>• PE-Cy7</li> </ul>	<ul style="list-style-type: none"> <li>• PE-AlexaFluor750</li> </ul>

20mW

Red 635 nm	Filter	Channel	Miltenyi Biotec dyes	Other dyes	
	655-730 nm	R1	APC	<ul style="list-style-type: none"> <li>• AlexaFluor647</li> </ul>	<ul style="list-style-type: none"> <li>• eFluo660</li> </ul>
750 nm LP	R2	APC-Vio770	<ul style="list-style-type: none"> <li>• APC-Cy7</li> <li>• APC-eFluo780</li> </ul>	<ul style="list-style-type: none"> <li>• APC-H7</li> <li>• APC-AlexaFluor750</li> </ul>	

# Optical specification of MACSQuant<sup>®</sup> 16 (14 colors)



Optics			
FSC	488/10 nm	B2	579/34 nm
SSC	405/10 nm	B3	615/20 nm
V1	450/50 nm	B4	667/30 nm
V2	525/50 nm	B5	725/40 nm
V3	579/34 nm	B6	785/62 nm
V4	615/20 nm	R1	667/30 nm
V5	667/30 nm	R2	725/40 nm
B1	525/50 nm	R3	785/62 nm

Side scatter of violet laser (405 nm)  
Forward scatter off blue laser (488 nm)