

Confocal Microscope - Description of intended use:

In the Molecular /Medicinal-biology group there have been an increasing need for the facility of confocal microscope.

The equipment will be used for co-localizations studies in bacteria and mammalian cells, for quantification of cell size in in x, y and z dimensions, time-dependent analysis of intra- and intercellular signaling, and imaging in up to 100 μm depth of a given specimen.

Specification of minimum requirements:

#	Description	Minimum requirement (MR) / wish (W)	Additional remarks	Fulfilled by offer: yes/No
Microscope part				
1	Inverted microscope configuration, with long distance condenser and differential interference contrast (DIC)	MR		
2	Motorized XY stage motorized platform stage	MR		
3	Flourescence filters suitable for: <ul style="list-style-type: none"> • DAPI, Hoechst • FITC, GFP, Alexa Green, Fluo • Rhodamine, Cy3, Texas Red 	MR		
4	4 Objectives: 10x (NA \geq 0.40), 20x (NA \geq 0.75), 40x (NA \geq 0.95), and 60x (NA \geq 1.35), suitable	MR		
Confocal part				
5	Fully automatic, motorized and software controlled system:	MR		
6	3 laser ports with 3 detection channels Additional laser with additional detection	MR W	To detect 3 (4) colors simultaneously: <ul style="list-style-type: none"> • Around 405 nm • Around 458 nm • Around 559 nm • Around 635 nm 	
7	Z-axis control	MR	Minimum 10 nm step adjustments	
8	Image acquisitions without cross talk	MR		

9	Software for data acquisitions and image manipulation	MR	3D image and quantitative co-localization determination by image overlay	
10	2x high sensitive confocal detectors	W		
11	SIM Scanner with the opportunity to use FRAP and photo activation	W	For synchronized and simultaneous laser manipulation and image acquisitions	
12	Price maximum 900.000 DKK (all inclusive)	MR		
13	Installation and initial instructions for use included in specified price	MR	Initial instructions offered for a minimum of 4 persons	
14	Optional service plan for the first year. Price(s) for service option(s) must be provided in the offer	MR	Price for service plan should be included in the max. price of 900.000 DKK	
15	Delivery at the latest on the 30 th of December 2016	MR	Both payment and delivery should be completed before 30 th of December 2016	

All minimum requirements are mandatory in order for the offer to be considered.

Evaluation:

The offers will be evaluated on price. Offers that meet the wishes will be preferred.

Deadlines:

Deadline for offer is 15th of December 2016, 4pm

Deadline for delivery and payment is 30th of December 2016