

# Preparation and Cryo-FIB micromachining of *Saccharomyces cerevisiae* for Cryo-Electron Tomography

 Jana Moravcová<sup>1</sup>, Matyáš Pinkas<sup>1</sup>, Radka Holbová<sup>1</sup>, Jiří Nováček<sup>1</sup>
<sup>1</sup>Central European Institute of Technology, Masaryk University

## Corresponding Author

Jiří Nováček

jiri.novacek@ceitec.muni.cz

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jove.com/video/62351

## Materials

Name	Company	Catalog Number	Comments
Agar	Himedia	MB053	
Glucose	PENTA	12020-31000	
Glycerol	Merck	G5516-1L	
ethane	Messer	1007	
LN2	Lineq	LN2-1L	
Peptone	Merck	P5905-1KG	
<i>Saccharomyces cerevisiae</i>	ATCC	201388	strain BY4741
Tweezers	Dumont	T539	
Yeast extract	Duchefa Biochemie	Y1333.1000	
<b>Disposable</b>			
Blotting papers	Ted Pella	47000-10	
C-clip	ThermoScientific	9432 909 97551	
C-clip ring	ThermoScientific	9432 909 97561	
Spreading sticks	Merck	Z376779-1PAK	
Sterile inoculation loops	BRAND	BR452201-1000EA	
Sterile plastic Petri dishes	Sigma	SIAL0166	
TEM grids	Quantifoil	4420G-XA	
<b>Equipment</b>			
Autoclave	Systec	101291545	
balances	BEL	M124A	
Cryo-FIB/SEM microscope	ThermoScientific	1006123	
Cryo-TEM microscope	ThermoScientific	9432 057 03301	
Laminar flow box	Telstar	AH5	
Plasma cleaner	Gatan	955.82001	
Shaking incubator	New Brunswick	M1282-0002	
UV/VIS spectrophotometer	WPA	S800	
Vitrification robot	ThermoScientific	9432 053 50621	