

Materials List for:

Spectrophotometric Determination of Phycobiliprotein Content in *Cyanobacterium Synechocystis*

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Materials

Name	Company	Catalog Number	Comments
Synechocystis sp. PCC 6803	Institut Pasteur, Paris, France	6803	Cyanobacterium strain
Roti-CELL PBS	Carl Roth GmbH + Co. KG, Karlsruhe, Germany	9143.1	Phosphate-Buffered Saline (PBS) solution, pH 7.4
Eppendorf safe-lock tubes	Eppendorf, Hamburg, Germany	30120086	Safe-lock tubes 1.5 ml
VWR 80-Place Storage System	VWR International, Radnor, Pennsylvania, USA	30128-282	Holder for safe-lock tubes
RAININ 100 µl -1000 µl	Mettler-Toledo, Columbus, Ohio, USA	17014382	Pipette
GP-LTS-A-1000µL-/F-768/8	Mettler-Toledo, Columbus, Ohio, USA	30389272	Pipette tips
Rotina 420R	Hettich, Kirchlingern, Germany	4701	Refrigerated centrifuge for 1.5 ml safe-lock tubes and 15 ml conical centrifuge tubes
LCexv 4010	Liebherr, Bulle, Switzerland	9005382197172	Refrigerator and freezer -20 °C
Revco ExF -86°C Upright Ultra-Low Temperature Freezer	Thermo Fisher Scientific, Waltham, Massachusetts, USA	EXF24086V	Freezer -80 °C
CoolSafe	LaboGene, Lillerød, Denmark	7.001.000.615	Freeze dryer
UV-2600	Shimadzu, Kyoto, Japan	UV-2600	Spectrophotometer
Hellma absorption cuvettes, semi Micro	Sigma-Aldrich, St. Louis, Missouri, USA	Z600288	VIS/UV-VIS semi-micro cuvettes 0.75-1.5 ml, spectral range 200-2500 nm
Silamat S6	Ivoclar Vivadent, Schaan, Liechtenstein	602286WU	Homogenizer
Solid-glass beads	Sigma-Aldrich, St. Louis, Missouri, USA	Z273627	Glass bead of the diameter 2 mm
CPA225D-0CE	Sartorius AG, Göttingen, Germany	SECURA225D-1OBR	Analytical balances
C-Phycocyanin from <i>Spirulina</i> sp.	Sigma-Aldrich, St. Louis, Missouri, USA	P2172	Phycocyanin standard
Allophycocyanin	Sigma-Aldrich, St. Louis, Missouri, USA	A7472	Allophycocyanin standard
Bicinchoninic Acid Kit	Sigma-Aldrich, St. Louis, Missouri, USA	BCA1, B9643	Complete kit for total proteins determination
AlgaeTron	Photon System Instruments Ltd., Drásov, Czech Republic	AG 130-ECO	Cultivation chamber for E. flasks, with controllable light and atmosphere
Photobioreactor	Photon System Instruments Ltd., Drásov, Czech Republic	FMT-150	Cultivation equipment for cyanobacteria and algae with completely controllable environment

Cellometer	Nexcelom Bioscience, Lawrence, Massachusetts, USA	Auto M10	Cell counter
Corning 15 mL centrifuge tubes	Sigma-Aldrich, St. Louis, Missouri, USA	CLS430791	15 ml Centrifuge tube for dry weighth sampling
Herasafe KS	Thermo Fisher Scientific, Waltham, Massachusetts, USA	51024579	Laminar flow hood