

Materials List for:

Prevention of Heat Stress Adverse Effects in Rats by *Bacillus subtilis* Strain

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Materials

Name	Company	Catalog Number	Comments
Phosphate buffered saline (PBS)	Sigma-Aldrich, St. Louis, MO	P4417	
Ethyl Alcohol	Pharmco products Inc. Brookfield, CT, USA	64-17-5	
Agar	VWR	97064-334	
MacConkey agar plates	VWR	470180-742	
5% blood agar plates	VWR	89405-024	
Brucella blood agar plate with Hemin, and Vitamin K	VWR	89405-032	
Bouin's Fixative	Electron Microscopy Sciences, Hatfield, PA, USA	15990	
IL-10 Rat ELISA kit	Invitrogen, Camarillo, CA, USA	KRC0101	
IL-1beta Rat ELISA Kit	Invitrogen, Camarillo, CA, USA	KRC0011	
IL-6 Rat ELISA Kit	Invitrogen, Camarillo, CA, USA	KRC0061	
INF-gamma Rat ELISA Kit	Invitrogen, Camarillo, CA, USA	KRC4021	
TNF-alpha Rat ELISA Kit	Invitrogen, Camarillo, CA, USA	KRC3011	
Rat LPS ELISA Kit	NeoBioLab, MA, USA	RL0275	
Environmental Chamber 6020-1	Caron, Marietta, OH, USA	6020-1	
Centrifuge	Beckman Coulter, Indianapolis, IN, USA	Optima L-90K	
Ultra Centrifuge			
Light microscope optical system	CitoViva Technology Inc., Auburn, AL		
Colony counter	Fisher Scientific, Pittsburgh, PA, USA	RE-3325	
Freezer	Haier, Brooklyn, NY, USA	HCMO50LA	
Ultra microplate reader	Bio-Tek Instrument, Winooski, VT, USA	ELx 808	
Auto Strip Washer	Bio-Tek Instrument, Winooski, VT, USA	ELx50	
Pipettes	Gilson, Pipetman, France	P100, P200, P1000	
C24 Incubator Shaker	New Brunswick Scientific, Enfield, CT, USA	Classic C24	
Rocking Shaker	Reliable Scientific, Inc., Nesbit, MS, USA	55	
Petri dishes	Fisher Scientific, Pittsburgh, PA, USA	875713	100 mm x 15 mm
SterilGard III Advance	The Baker Company, Sanford, ME, USA	SG403	

Culture Growing Flasks	Corning Incorporated, Corning, NY, USA	4995	PYREX 250 ml Erlenmeyer flasks
Optical Spectrometer Genesys 20	Thermo Scientific, Waltham, MA, USA.	4001	
Sony DXC-33 Video camera	Sony		
Richardson test slide	Electron Microscopy Science, Hatfield, PA, USA	80303	
Millipore water purification system	Millipore	Direct-Q	
Image-Pro Plus software	Media Cybernetics, MD, USA		
Triple Beam Balance	OHAUS Corporation, Parsippany, NJ, USA		
Tissue Homogenizer, Dounce	VWR	71000-518	