

Materials List for:

Intracranial Subarachnoidal Route of Infection for Investigating Roles of *Streptococcus suis* Biofilms in Meningitis in a Mouse Infection Model

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Materials

Name	Company	Catalog Number	Comments
Todd Hewitt Broth(THB)	Becton, Dickinson and Company	DF0492078	Dissolve 30 g of the powder in 1 L of purified water. Autoclave at 121° for 15 min.
Agar	DSBIO	16C0050	Dissolve 15 g of the powder in 1 L of THB. Autoclave at 121° for 15 min.
Milli-Q Reference Water Purification System	Merck KGaA	Z00QSVCUS	Without Dnase/ Rnase
NaCl	Tianjin Kemiou Chemical Reagent Co., Ltd	10019318	Dissolve 8 g NaCl, 0.2 g KCl, 1.42 g Na ₂ HPO ₃ , 0.27 g KH ₂ PO ₄ in 1 L of purified water. Autoclave at 121° for 15 min. Use KOH to adjust pH to 7.4.
Na ₂ HPO ₃	Xilong Scientific Co., Ltd	9009012-01-09	Dissolve 8 g NaCl, 0.2 g KCl, 1.42 g Na ₂ HPO ₃ , 0.27 g KH ₂ PO ₄ in 1 L of purified water. Autoclave at 121° for 15 min. Use KOH to adjust pH to 7.4.
KCl	Xilong Scientific Co., Ltd	9009017-01-09	Dissolve 8 g NaCl, 0.2 g KCl, 1.42 g Na ₂ HPO ₃ , 0.27 g KH ₂ PO ₄ in 1 L of purified water. Autoclave at 121° for 15 min. Use KOH to adjust pH to 7.4.
KH ₂ PO ₄	Xilong Scientific Co., Ltd	9009019-01-09	Dissolve 8 g NaCl, 0.2 g KCl, 1.42 g Na ₂ HPO ₃ , 0.27 g KH ₂ PO ₄ in 1 L of purified water. Autoclave at 121° for 15 min. Use KOH to adjust pH to 7.4.
KOH	Xilong Scientific Co., Ltd	9009014-01-09	Dissolve 8 g NaCl, 0.2 g KCl, 1.42 g Na ₂ HPO ₃ , 0.27 g KH ₂ PO ₄ in 1 L of purified water. Autoclave at 121° for 15 min. Use KOH to adjust pH to 7.4.
Glycerol	Sionpharm Chemical Reagent Co., Ltd	10010618	Diluted with equal volumu of purified water, autoclave at 121° for 15 min
4% paraformaldehyde	Sionpharm Chemical Reagent Co., Ltd	80096675	
25% Glutaraldehyde	Sionpharm Chemical Reagent Co., Ltd	30092436	10-fold diluted with purified water for fixation.

Ethanol	Sionpharm Chemical Reagent Co., Ltd	10009218	
Chloroform	Sionpharm Chemical Reagent Co., Ltd	10006818	
Spectrophotometre	DeNovix Inc.	DS-11+	
Ultrasound cell crusher	NingBo Scientz Biotechnology Co.,Ltd	JY96-IIN	
Centrifuge	Hitachi Koki Co., Ltd	CT15RE	
Refrigerator	Aucma Co., Ltd	DW-86L500	
Scanning electron microscope	Zeiss	EVO-LS10	
FastRNA Pro Green Kit	MP Biomedicals	#6045-050	
FastPrep-24 Instrument	MP Biomedicals	116005500	
Instrument for PCR	SensoQuest GmbH	1124310110	
QuantStudio 6 Flex	Thermo Fisher Scientific	4485689	
SYBR Premix Ex Taq II	Takara Biomedical Technology (Beijing) Co., Ltd	RR820A	
PrimeScript RT reagent kit with gDNA Eraser	Takara Biomedical Technology (Beijing) Co., Ltd	RR047A	
Fully Enclosed Tissue Processor	Leica Biosystems Nussloch GmbH	ASP200S	
Heated Paraffin Embedding Module	Leica Biosystems Nussloch GmbH	EG1150H	
Semi-Automated Rotary Microtome	Leica Biosystems Nussloch GmbH	RM2245	
Water bath for paraffin sections	Leica Biosystems Nussloch GmbH	HI1210	
Autostainer XL	Leica Biosystems Nussloch GmbH	ST5010	
Agilent 2100	Agilent Technologies	G2939A	
Optical microscope	Olympus	BX51	