

Materials List for

Isolation, Purification, and Identification of Bacitracin-producing *Bacillus licheniformis* from Fresh Feces of Healthy Pigs

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Materials

Name	Company	Catalog Number	Comments
2 × Phanta Flash Master Mix	Nanjing Vazyme Biotechnology Co., Ltd., Nanjing, China	P252-01	
2kb DNA Marker	Beijing Trans Biotechnology Co., Ltd., Beijing, China	BM121-01	
Acetonitrile	Shanghai Aladdin Biochemical Technology Co., Ltd., Shanghai, China	A104443	
Agar powder	Shanghai Macklin Biochemical Technology Co., Ltd., Shanghai, China	A800730	
Agarose	Shanghai Aladdin Biochemical Technology Co., Ltd., Shanghai, China	A104062	
Ammonium sulfate ((NH ₄) ₂ SO ₄)	Sinopharm Chemical Reagent Co., Ltd., Shanghai, China	10002917	
Autoclave sterilizer	Zealway Instrument Inc., Xiamen, China	G136DWS	
Bacillus biochemical identification strip	Qingdao Haibo Biotechnology Co., Ltd., Qingdao, China	HBIG14	
Bacitracin	Shanghai Yuanye Bio-Technology Co., Ltd., Shanghai, China	B65740	
Bacteria DNA Extraction Kit	Tiangen Biochemical Technology Co., Ltd., Beijing, China	DP209	
Breathable sealing film	Beijing Leiborun Biotechnology Co., Ltd.	BS-QM-01A	
Butanol	Shanghai Aladdin Biochemical Technology Co., Ltd., Shanghai, China	B433378	
C18 (5 μm, 4.6 × 250 mm) HPLC column	Rizhao Kepuno New Material Co., Ltd., Rizhao, China	C1805-462510	
Calcium carbonate (CaCO ₃)	Sinopharm Chemical Reagent Co., Ltd., Shanghai, China	10005717	

Centrifuge	New Brunswick Scientific Co., Inc., UK	5452	
Chromatographic tank	Nanjing Tenghui Experimental Technology Co., Ltd., Nanjing, China	P-1	
Conical bottle	Sichuan Shubo Co., Ltd., Chengdu, China	18012	
Constant temperature incubator	Taist Instrument Co., Ltd., Tianjin, China	GH4500	
Dipotassium phosphate (K ₂ HPO ₄)	Xilong Chemical Co., Ltd., Guangdong, China	XL0015	
EDTA-2Na	Shanghai Aladdin Biochemical Technology Co., Ltd., Shanghai, China	E397526	
Electronic balance	Mettler Toledo International Co., Ltd.	FA2104	
Ethyl alcohol	Shanghai Aladdin Biochemical Technology Co., Ltd., Shanghai, China	E130059	
Gel Midi Purification Kit	Tiagen Biochemical Technology Co., Ltd., Beijing, China	DP302	
Glass rod	Chengdu Yibang Kexi Instrument Co., Ltd.	1294	
Glucose	Shanghai Macklin Biochemical Technology Co., Ltd., Shanghai, China	D823520	
Gram 's staining solution kit	Qingdao Haibo Biotechnology Co., Ltd., Qingdao, China	HB8278	
High performance liquid chromatograph	Agilent Technologies, Inc., California, America	1260	
Horizontal electrophoresis apparatus	Beijing Liuyi Biotechnology Co., Ltd., Beijing, China	DYCP-31DN BIOMATE	
Inoculation ring	Shanghai Muchen Biotechnology Co., Ltd., Shanghai, China	3171026	
Magnetic stirrer	Wiggins GmbH Co., Ltd., Germany	WH220 PLUS	
Methyl alcohol	Shanghai Aladdin Biochemical Technology Co., Ltd., Shanghai, China	M116115	
Microcentrifuge tube	Shanghai Muchen Biotechnology Co., Ltd., Shanghai, China	1351171	
Micrococcus luteus	Bena Culture Collection, Suzhou, China	BNCC102589	
Microporous filter membrane	Nantong Suri Experimental Equipment Co., Ltd.	PES0.22	
Ninhydrin	Shanghai Aladdin Biochemical Technology Co., Ltd., Shanghai, China	N105629	
Optical microscope	Optical Instrument Factory, Shanghai, China	DYS-108	
Pig feces	Nanjing Quanfu Pig Farm, Nanjing, China		
Polymerase chain reaction (PCR) Amplifier	Suzhou Dongsheng Xingye Scientific Instrument Co., Ltd., Suzhou, China	ETC811	
Professional sequencing company	General Biology (Anhui) Co., Ltd., Anhui, China		
Pyridine	Shanghai Aladdin Biochemical Technology Co., Ltd., Shanghai, China	P111516	
Shaker	Taicang Qiangle Experimental Equipment Co., Ltd., Taicang, China	HYL-C	

Silica gel GF254 thin layer plate	Yantai Huayang New Material Co., Ltd., Yantai, China	HPT-HSGF5025023	
Sodium chloride (NaCl)	Shanghai Macklin Biochemical Technology Co., Ltd., Shanghai, China	S805275	
Sodium citrate	Sinopharm Chemical Reagent Co., Ltd., Shanghai, China	C39197100001	
Soluble starch	Shanghai Macklin Biochemical Technology Co., Ltd., Shanghai, China	S817547	
Thermostat water bath	Shanghai Heheng Instrument Equipment Co., Ltd., Shanghai, China	DK-8D	
Tryptone	Shanghai Aladdin Biochemical Technology Co., Ltd., Shanghai, China	T139519	
Ultra GelRed	Nanjing Vazyme Biotechnology Co., Ltd., Nanjing, China	GR501-01	
Ultra pure water instrument	Merck KGaA Co., Ltd., Germany	Milli Direct-Q8	
Ultrasonic cleaner	Jiangsu Huaguan Electric Appliance Group Co., Ltd., Jiangsu, China	SB-100DT	
Vernier caliper	Sanfeng Company, Japan	N20P	
Yeast extract powder	Vicbio Biotechnology Co., Ltd., Beijing, China	LP0021	