

Materials List for

Application of the Intelligent High-Throughput Antimicrobial Sensitivity Testing/Phage Screening System and Lar Index of Antimicrobial Resistance

Ming Hu¹, Zhengjie Liu^{1,2}, Ziang Song^{1,3}, Lulu Li¹, Xiaonan Zhao¹, Yanbo Luo¹, Qing Zhang¹, Yibao Chen¹, Xiaohui Xu¹, Yahui Dong¹, Nataliia Hrabchenko¹, Wei Zhang³, Yuqing Liu¹

¹Shandong Key Laboratory of Animal Disease Control and Breeding, Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences, P.R. China, Key Laboratory of Livestock and Poultry Multi-omics of MARA

²Department of Genetic and Genomes Biology, University of Leicester

³College of Veterinary Medicine, Nanjing Agricultural University

Correspondence to: Yuqing Liu at liuqing@163.com

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Materials

Name	Company	Catalog Number	Comments
96 well culture plate	Beijing lanjieke Technology Co., Ltd	11510	
96-dot matrix AST image acquisition system	Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences	In-house software copyright	
96-dot matrix inoculator	Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences	N/A	Patented product
Agar	Qingdao hi tech Industrial Park Haibo Biotechnology Co., Ltd	HB8274-1	
Amikacin	Shanghai McLean Biochemical Technology Co., Ltd	A857053	
Amoxicillin	Shanghai McLean Biochemical Technology Co., Ltd	A822839	
Ampicillin	Shanghai McLean Biochemical Technology Co., Ltd	A830931	
Analytical balance	Sartorius	BSA224S	
Automated calculation software for Lar index of AMR	Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences	In-house software copyright	
Bacteria <i>Salmonella</i> strains	Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences	N/A	Animal origin
Bacterial resistance Lar index certification management system V1.0	Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences	In-house software copyright	
Ceftiofur	Shanghai McLean Biochemical Technology Co., Ltd	C873619	
Ciprofloxacin	Shanghai McLean Biochemical Technology Co., Ltd	C824343	
Clavulanic acid	Shanghai McLean Biochemical Technology Co., Ltd	C824181	
Clean worktable	Suzhou purification equipment Co., Ltd	SW-CJ-2D	
Colistin sulfate	Shanghai McLean Biochemical Technology Co., Ltd	C805491	

Culture plate	Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences	N/A	Patented product
Doxycycline	Shanghai McLean Biochemical Technology Co., Ltd	D832390	
Enrofloxacin	Shanghai McLean Biochemical Technology Co., Ltd	E809130	
Filter 0.22 µm	Millipore	SLGP033RB	
Florfenicol	Shanghai McLean Biochemical Technology Co., Ltd	F809685	
Gentamicin	Shanghai McLean Biochemical Technology Co., Ltd	G810322	
Glass bottle 50 mL	Xuzhou Qianxing Glass Technology Co., Ltd	QX-7	
High-throughput resistance detection system V1.0	Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences	In-house software copyright	
Image acquisition converter	Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences	N/A	Patented product
Meropenem	Shanghai McLean Biochemical Technology Co., Ltd	M861173	
Mueller-Hinton agar	Qingdao hi tech Industrial Park Haibo Biotechnology Co., Ltd	HB6232	
Petri dish 60 mm x 15 mm	Qingdao Jindian biochemical equipment Co., Ltd	16021-1	
Petri dish 90 mm x 15 mm	Qingdao Jindian biochemical equipment Co., Ltd	16001-1	
<i>Salmonella</i> phages	Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences	N/A	
Shaker incubator	Shanghai Minquan Instrument Co., Ltd	MQD-S2R	
Turbidimeter	Shanghai XingBai Biotechnology Co., Ltd	F-TC2015	
Varms base type library system V1.0	Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences	In-house software copyright	
Vertical high-pressure steam sterilizer	Shanghai Shen'an medical instrument factory	LDZX-75L	
Veterinary pathogen resistance testing management system	Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences	In-house software copyright	
Veterinary resistance cloud monitoring and phage control platform V1.0	Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences	In-house software copyright	