

Materials List for:

Development of a Larval Zebrafish Infection Model for *Clostridioides difficile*

Junkai Li¹, Can M. Ünal², Kazuhiko Namikawa¹, Michael Steinert^{3,4,5}, Reinhard W. Köster¹

¹Division of Cellular and Molecular Neurobiology, Zoological Institute, Technische Universität Braunschweig

²Department of Molecular Biotechnology, Turkish-German University

³Institut für Mikrobiologie, Technische Universität Braunschweig

⁴Braunschweig Integrated Centre of Systems Biology

⁵Helmholtz Centre for Infection Research

Correspondence to: Reinhard W. Köster at r.koester@tu-bs.de

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Materials

Name	Company	Catalog Number	Comments
Agarose	Sigma-Aldrich	A2576	Ultra-low gelling agarose
Agarose low-melting (LM)	Pronadisa	8050	It is used in agarose plates
BacLight Red Bacterial Stain	Thermo Fisher Scientific	B35001	Fluorescent dye
Brain-Heart-Infusion Broth	Carl Roth GmbH	X916.1	
Brass (wild-type)			deficient in melanin synthesis, used to generate stable transgenic lines
Calcium nitrate (Ca(NO ₃) ₂)	Sigma-Aldrich	C1396	
Capillary Glass	Harvard Apparatus	30-0019	Injection needles
<i>Clostridioides difficile</i>			R20291,, a ribotype 027 strain, TcdA+/TcdB+/CDT+ production
DMSO	Carl Roth GmbH	A994	
FIJI	open-source platform		Image processing
HEPES	Carl Roth GmbH	6763	
Horizontal needle puller	Sutter instrument Inc	P-87	
L-cysteine	Sigma-Aldrich	168149	
Leica Application Suite X (LAS X)	Leica		Image processing
Magnesium sulfate (MgSO ₄)	Carl Roth GmbH	P026	
Micro injector	eppendorf	5253000017	
Microinjection molds	Adaptive Science Tools	TU1	
Leica SP8 confocal microscope	Leica		
Phenol Red	Sigma-Aldrich	P0290	
Potassium chloride (KCl)	Carl Roth GmbH	5346	
Sodium chloride (NaCl)	Carl Roth GmbH	9265	
Taurocholate	Carl Roth GmbH	8149	
<i>Tg(lyZ: KalTA4)bz17/Tg(4xUAS-E1b:EGFP)hzm3</i>			stable transgenic line in which in which the lyZ promoters drive the expression of EGFP fluorescent protein in neutrophils
<i>Tg(mpeg1.1: KalTA4)bz16/Tg(4xUAS-E1b:EGFP)hzm3</i>			stable transgenic line in which in which the mpeg1.1 drive the expression of EGFP fluorescent protein in macrophages
Tricaine	Sigma-Aldrich	E10521	
Yeast extract	BD Bacto	212750	