

Materials List for:

High Resolution Electron Microscopy of the *Helicobacter pylori* Cag Type IV Secretion System Pili Produced in Varying Conditions of Iron Availability

Kathryn Patricia Haley¹, Eric Joshua Blanz¹, Jennifer Angeline Gaddy^{1,2}

¹Department of Medicine - Division of Infectious Diseases, Vanderbilt University School of Medicine

²Tennessee Valley Healthcare Systems, U. S. Dept. of Veterans Affairs

Correspondence to: Jennifer Angeline Gaddy at jennifer.a.gaddy@vanderbilt.edu

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Materials

Name	Company	Catalog Number	Comments
Modified brucella broth			
Peptone from casein (10 g/L)	Sigma	70172	
Peptic digest of animal tissue (10 g/L)	Sigma	70174	
Yeast extract (2 g/L)	Sigma	92144	
Dextrose (1 g/L)	Sigma	D9434	
Sodium chloride (5 g/L)	Thermo Fisher	S271-10	
Cholesterol (250X) (4 ml/L)	Life Technologies	12531018	
Ferric chloride (100 or 250 uM)	Sigma	157740-100G	
Dipyridyl (200 uM)	Sigma	D216305-100G	
Modified RPMI			
RPMI+HEPES (1X)	Life Technologies	22400-121	
Fetal bovine serum (100 ml/L)	Life Technologies	10438-026	
Electron Microscopy Preparation			
Paraformaldehyde (2.0% aqueous)	Electron Microscopy Sciences	15713	
Glutaraldehyde (2.5% aqueous)	Electron Microscopy Sciences	16220	
Sodium cacodylate (0.05 M)	Electron Microscopy Sciences	12300	
Osmium tetroxide (0.1% aqueous)	Electron Microscopy Sciences	19150	
Ethanol (absolute)	Sigma	E7023	
Colloidal silver paint	Electron Microscopy Sciences	12630	
SEM sample stubs	Electron Microscopy Sciences	75220	
Coverslips	Thermo Fisher	08-774-383	
IL-8 Secretion Evaluation			
Quantikine IL-8 ELISA kit	R&D Systems	D8000C	