

Materials List for:

# Metal-Limited Growth of *Neisseria gonorrhoeae* for Characterization of Metal-Responsive Genes and Metal Acquisition from Host Ligands

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## Materials

Name	Company	Catalog Number	Comments
125 mL sidearm flasks	Bellco	2578-S0030	Must be custom ordered
2-Mercaptoethanol	VWR	M131	Open in fume hood
3MM Paper	GE Health	3030-6461	Called "filter paper" in text
Agarose	Biolone	BIO-41025	Powder
Ammonium chloride	Sigma-Aldrich	A9434	Powder
Biotin	Sigma-Aldrich	B4501	Powder
Blotting grade blocker	Bio-Rad	170-6404	Nonfat dry milk
Bovine serum albumin	Roche	3116964001	Powder
Bovine transferrin	Sigma-Aldrich	T1428	Powder
Calcium chloride dihydrate	Sigma-Aldrich	C5080	Powder
Calcium pantothenate	Sigma-Aldrich	C8731	Powder
Calprotectin	N/A	N/A	We are supplied with this by a collaborator
Chelex-100 Resin	Bio-Rad	142-2832	Wash with deionized water prior to use
Cotton-tipped sterile swab	Puritan	25-806	Cotton is better than polyester for this application
Deferoxamine	Sigma-Aldrich	D9533	Powder
D-glucose	Sigma-Aldrich	G8270	Powder
Dialysis cassette	Thermo	66380	Presoak in buffer prior to use
Dot blot apparatus	Schleicher & Schwell	10484138	Lock down lid as tightly as possible before sample loading
Ethanol	Koptec	V1016	Flammable liquid, store in flammables cabinet
Ferric chloride	Sigma-Aldrich	F7134	Irritant, do not inhale
Ferric nitrate nonahydrate	Sigma-Aldrich	F1143	Irritant, do not inhale
GC medium base	Difco	228950	Powder, already contains agar
Glycine	Sigma-Aldrich	G8898	Powder
HEPES	Fisher	L-15694	Powder
Human transferrin	Sigma-Aldrich	T2030	Powder
Hypoxanthine	Sigma-Aldrich	H9377	Powder
Klett colorimeter	Manostat	37012-0000	Uses color transmission to assess culture density
L-alanine	Sigma-Aldrich	A7627	Powder
L-arginine	Sigma-Aldrich	A5006	Powder
L-asparagine monohydrate	Sigma-Aldrich	A8381	Powder

L-aspartate	Sigma-Aldrich	A9256	Powder
L-cysteine hydrochloride	Sigma-Aldrich	C1276	Powder
L-cystine	Sigma-Aldrich	C8755	Powder
L-glutamate	Sigma-Aldrich	G1251	Powder
L-glutamine	Sigma-Aldrich	G3126	Powder
L-histidine monohydrochloride	Sigma-Aldrich	H8125	Powder
L-isoleucine	Sigma-Aldrich	I2752	Powder
L-leucine	Sigma-Aldrich	L8000	Powder
L-lysine	Sigma-Aldrich	L5501	Powder
L-methionine	Sigma-Aldrich	M9625	Powder
L-phenylalanine	Sigma-Aldrich	P2126	Powder
L-proline	Sigma-Aldrich	P0380	Powder
L-serine	Sigma-Aldrich	S4500	Powder
L-threonine	Sigma-Aldrich	T8625	Powder
L-tryptophan	Sigma-Aldrich	T0254	Powder
L-tyrosine	Sigma-Aldrich	T3754	Powder
L-valine	Sigma-Aldrich	V0500	Powder
Magnesium sulfate	Sigma-Aldrich	M7506	Powder
Methanol	VWR	BDH1135-4LP	Flammable liquid, store in flammables cabinet
Nitrocellulose	GE Health	10600002	Keep in protective sheath until use
Potassium phosphate dibasic	Sigma-Aldrich	60356	Powder
Potassium phosphate monobasic	Sigma-Aldrich	P9791	Powder
Potassium sulfate	Sigma-Aldrich	P0772	Powder
Potato starch	Sigma-Aldrich	S4251	Powder
Reduced glutathione	Sigma-Aldrich	G4251	Handle carefully. Can oxidize easily.
S100A7	N/A	N/A	We are supplied with this by a collaborator
Sodium bicarbonate	Sigma-Aldrich	S5761	Powder
Sodium chloride	VWR	470302	Powder
Sodium citrate	Fisher	S279	Powder
Sodium hydroxide	Acros Organics	383040010	Highly hygroscopic
Thiamine hydrochloride	Sigma-Aldrich	T4625	Powder
Thiamine pyrophosphate	Sigma-Aldrich	C8754	Also called cocarboxylase
TPEN	Sigma-Aldrich	P4413	Powder
Tris	VWR	497	Powder
Uracil	Sigma-Aldrich	U0750	Powder
Zinc sulfte heptahydrate	Sigma-Aldrich	204986	Irritant, do not inhale