

**Table S4 – Composition of modified Lacks medium (MLM) – a modification of the medium described by Lacks [1]**

<b>Component</b>	<b>Amount / litre</b>
casamino acids (Bacto)	1.25 g
casein hydrolysate (Bacto)	0.25 g
tryptophan (Sigma)	1.5 mg
cysteine HCl (Merck)	10 mg
asparagine (Sigma)	12.5 mg
glutamine (Merck)	2.5 mg
choline HCl	5 mg
adenine	5 mg
sodium acetate	2 g
K <sub>2</sub> HPO <sub>4</sub>	8.5 g
MgCl <sub>2</sub> · 6 H <sub>2</sub> O	0.5 g
CaCl <sub>2</sub>	0.6 mg
MnSO <sub>4</sub> · 4 H <sub>2</sub> O	0.2 mg
FeSO <sub>4</sub> · 7 H <sub>2</sub> O	0.5 mg
CuSO <sub>4</sub> · 5 H <sub>2</sub> O	0.5 mg
ZnSO <sub>4</sub> · 7 H <sub>2</sub> O	0.5 mg
NaHCO <sub>3</sub>	0.4 g
biotin	0.6 µg
nicotinic acid	0.3 mg
pyridoxine·HCl	0.3 mg
thiamine·HCl	0.3 mg
riboflavine	0.14 mg
calcium pantothenate	1.2 mg
sucrose	3.423 g
catalase from bovine liver (Sigma)	12000 units

**pH adjusted to 7.3**

**1. Lacks S (1966) Integration efficiency and genetic recombination in pneumococcal transformation. Genetics 53: 207-235.**