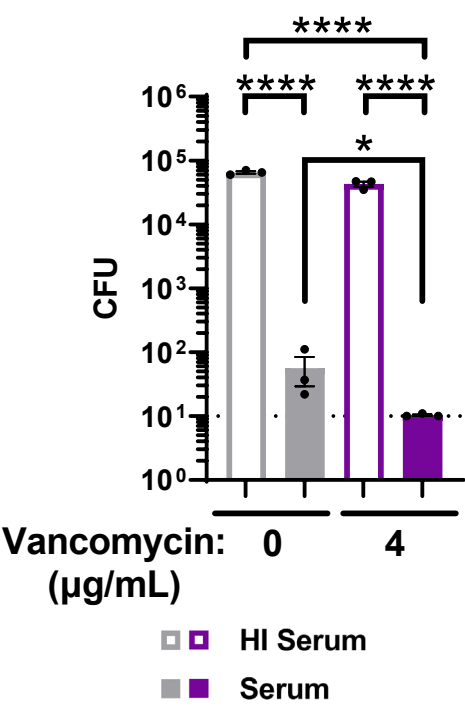


# Supplemental Figure 1



**Supplemental Figure 1. Vancomycin activity is potentiated in the MS11 strain of *Gc*.** MS11 *Gc* pre-incubated with anti-gonococcal IgM followed by incubation with 2% IgG/M-depleted human serum with or without heat-inactivation (HI), and subsequent incubation with 4µg/mL vancomycin or vehicle alone for CFU enumeration. Error bars are SEM. Significance was determined by 1-way ANOVA with Tukey's multiple comparisons on log<sub>10</sub>-transformed data. \* = p<0.05, \*\*\*\* = p<0.0001. Dotted line represents minimum reportable CFUs.

# Supplemental Figure 2

## Gc Strain

Minimum Inhibitory Concentration (MIC)		
Nisin		µg/mL
Serum Concentration:	0%	50-100
	2.5%	0.39-0.78

FA19

Minimum Inhibitory Concentration (MIC)		
Ceftriaxone		ng/mL
Serum Concentration:	0%	8.0-16.0
	2.5%	0.0625

MS11

Minimum Inhibitory Concentration (MIC)		
Ceftriaxone		ng/mL
Serum Concentration:	0%	2.0-8.0
	2.5%	0.0625-0.25

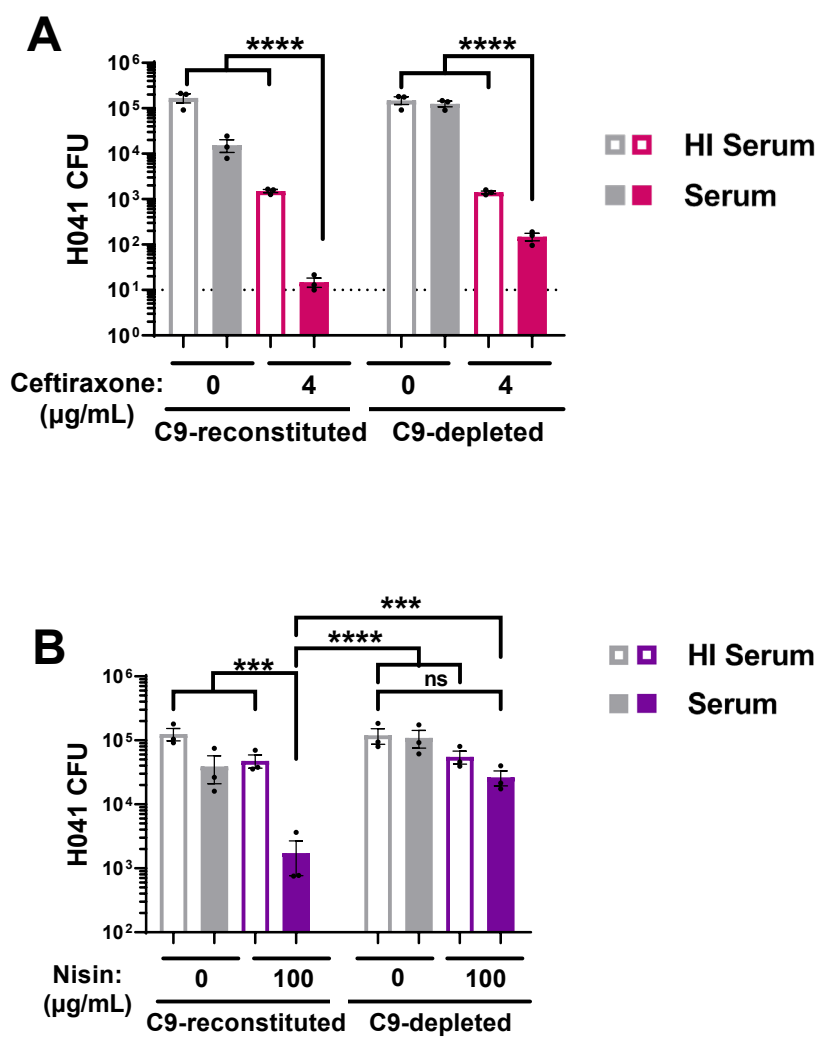
FA1090

Minimum Inhibitory Concentration (MIC)		
Ceftriaxone		ng/mL
Serum Concentration:	0%	0.25-0.5
	2.5%	0.03125-0.0625

FA19

**Supplemental Figure 2. Minimum inhibitory concentrations of nisin and ceftriaxone are decreased by serum across multiple Gc strains.** Additional Gc strains were assayed via 16hr MIC broth microdilution assays over a range of nisin or ceftriaxone concentrations in media alone or supplemented with 2.5% IgG/M-depleted human serum.

# Supplemental Figure 3



**Supplemental Figure 3. Complement C5b-C8 complexes and full C5b-C9 MAC differentially potentiate ceftriaxone and nisin against Gc.** H041 Gc was pre-incubated with anti-gonococcal IgM, followed by incubation with 1% C9-depleted or C9-reconstituted human serum with or without heat-inactivation (HI). Gc was then incubated with ceftriaxone (A) or nisin (B) and then plated for CFU enumeration. Error bars are SEM. Significance was determined by 1-way ANOVA with Tukey's multiple comparisons on log<sub>10</sub>-transformed data. \*\*\* = p<0.001, \*\*\*\* = p<0.0001. ns = not significant. Dotted line represents minimum reportable CFUs.