SEROGROUP Y MENINGOCOCCI (Y:14:P1.2,5) ARE RAPIDLY KILLED IN AN EX VIVO WHOLE BLOOD MODEL OF INFECTION WHEREAS SEROGROUP B MENINGOCOCCI (B:4:P1.7,16) SURVIVE AND GROW TO LOGARITHMIC PHASE.

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published models		our model
• • •	blood collected in sodium citrate 10 ⁶ cfu/mL (dead or alive) used incubation for 1 or 2 hrs. shaking at 9 rpm Mc cultured on GC/Isovitalex	 blood collected in ammonium heparin 10⁴ cfu/mL (alive) used incubation for 24 hrs. shaking at 250 rpm Mc cultured on Columbia, GC/Isovitalex or in liquid cell culture medium
Colony forming uni	1,0E+06 Columbia RPMI1640 [8000
	7,5E+05 -	$6000 - \frac{110}{-0-TNF}$
	5,0E+05 -	Ē 4000 -
	2,5E+05 -	2000 -
	0,0E+00 0h 4h 24h	

time (hrs.)

Results: loss of neutrophils between 4 and 24 hrs of incubation with B-meningococci but not with Y meningococci.

Conclusions:

general:

model reflects the *in vivo* situation during septicemia fairly good (cytokine release, neutropenia)

time (hrs.)

suitable for the study of microbial pathogenic pathways during septicemia *meningococci specific:*

serogroup specific differences in this model concerning host immune response