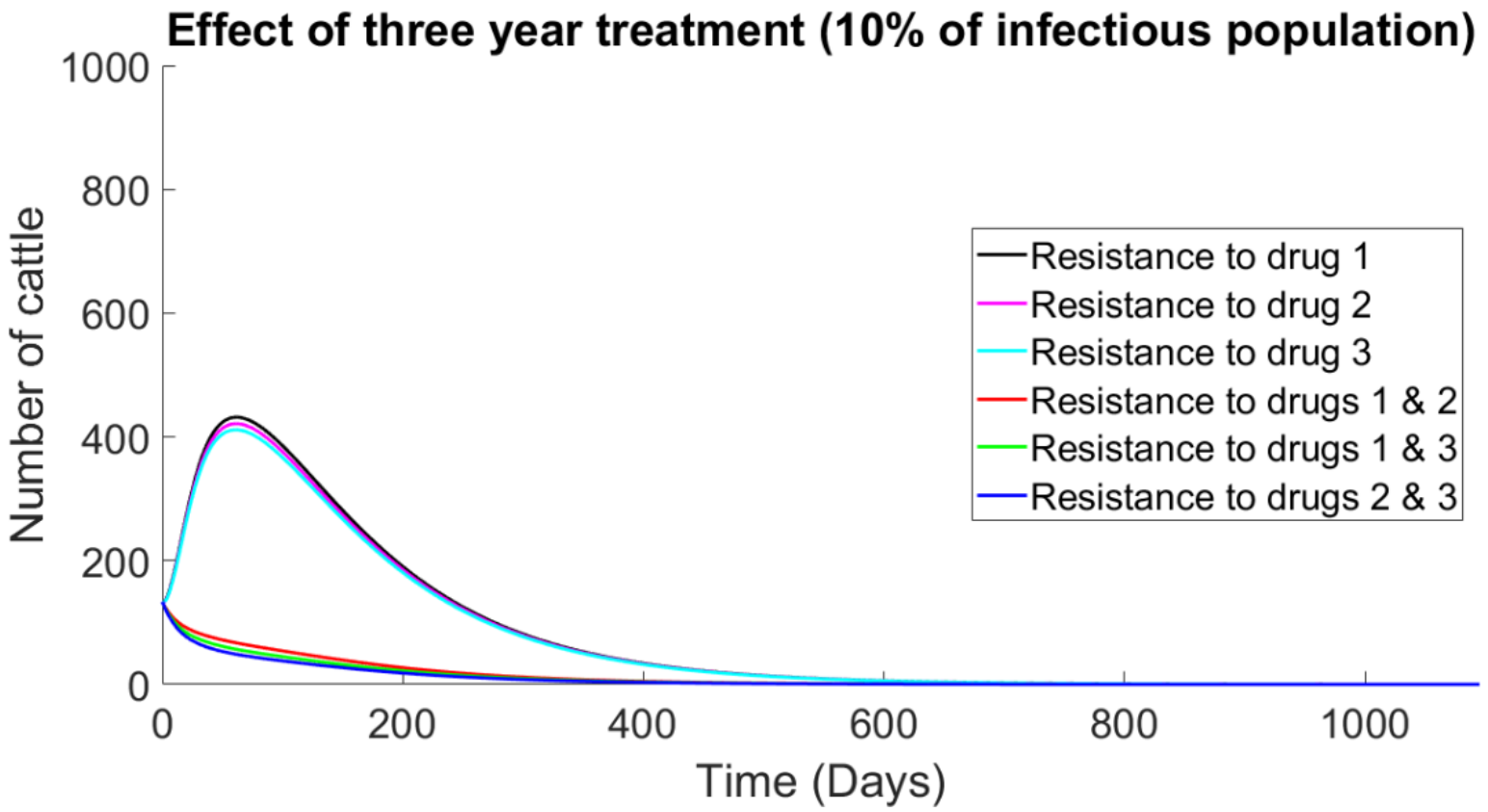
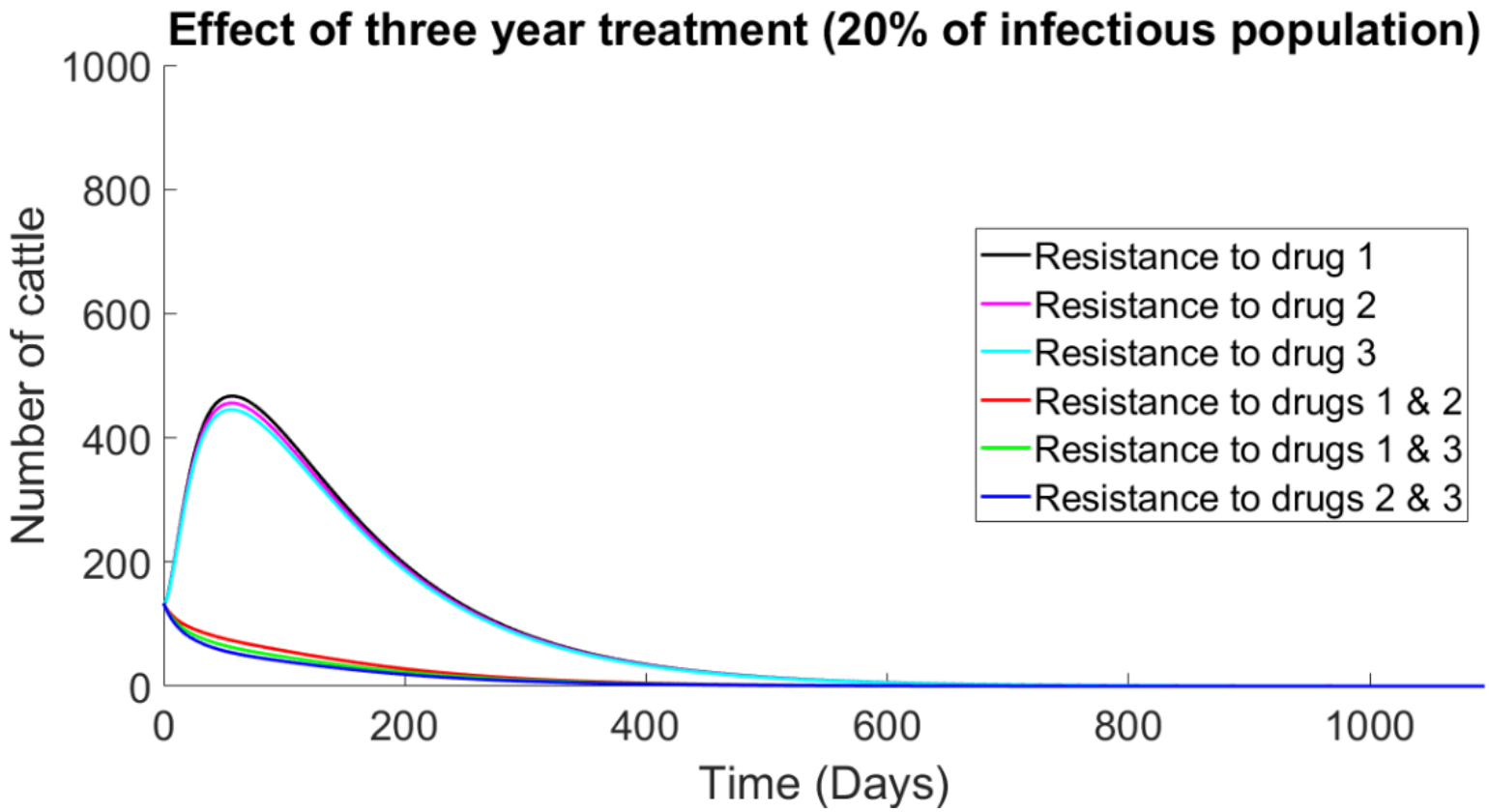
Supplementary Materials 3: Numerical simulations for trypanocide resistance in the host population for a period of three years. It highlights resistance to: drug(s) 1, 2, and 3, combination of drugs 1 and 2, combination of drugs 1 and 3, and combination of drugs 2 and 3. (A-E) show resistance rates at 4% trypanosomiasis prevalence after treating 10%, 20%, 40%, 80% and 100% of the cattle population respectively. (F-J) show resistance rates at 7.5% trypanosomiasis prevalence after treating 10%, 20%, 40%, 80% and 100% of the cattle population respectively. (K-O) show resistance rates at 11% trypanosomiasis prevalence after treating 10%, 20%, 40%, 80% and 100% of the cattle population respectively.

A



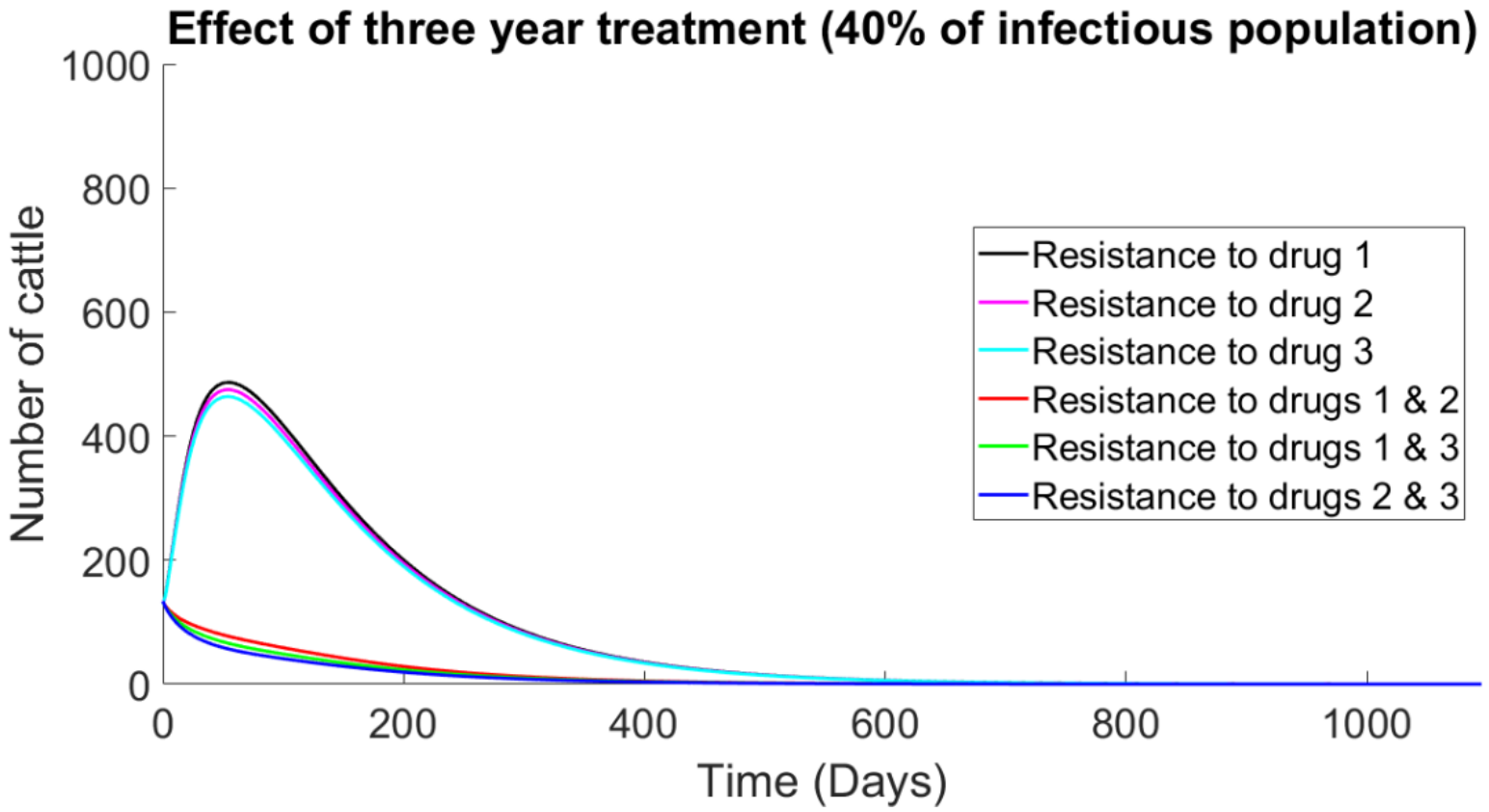
10% treatment with at a constant 0.04 resistance for each drug

B



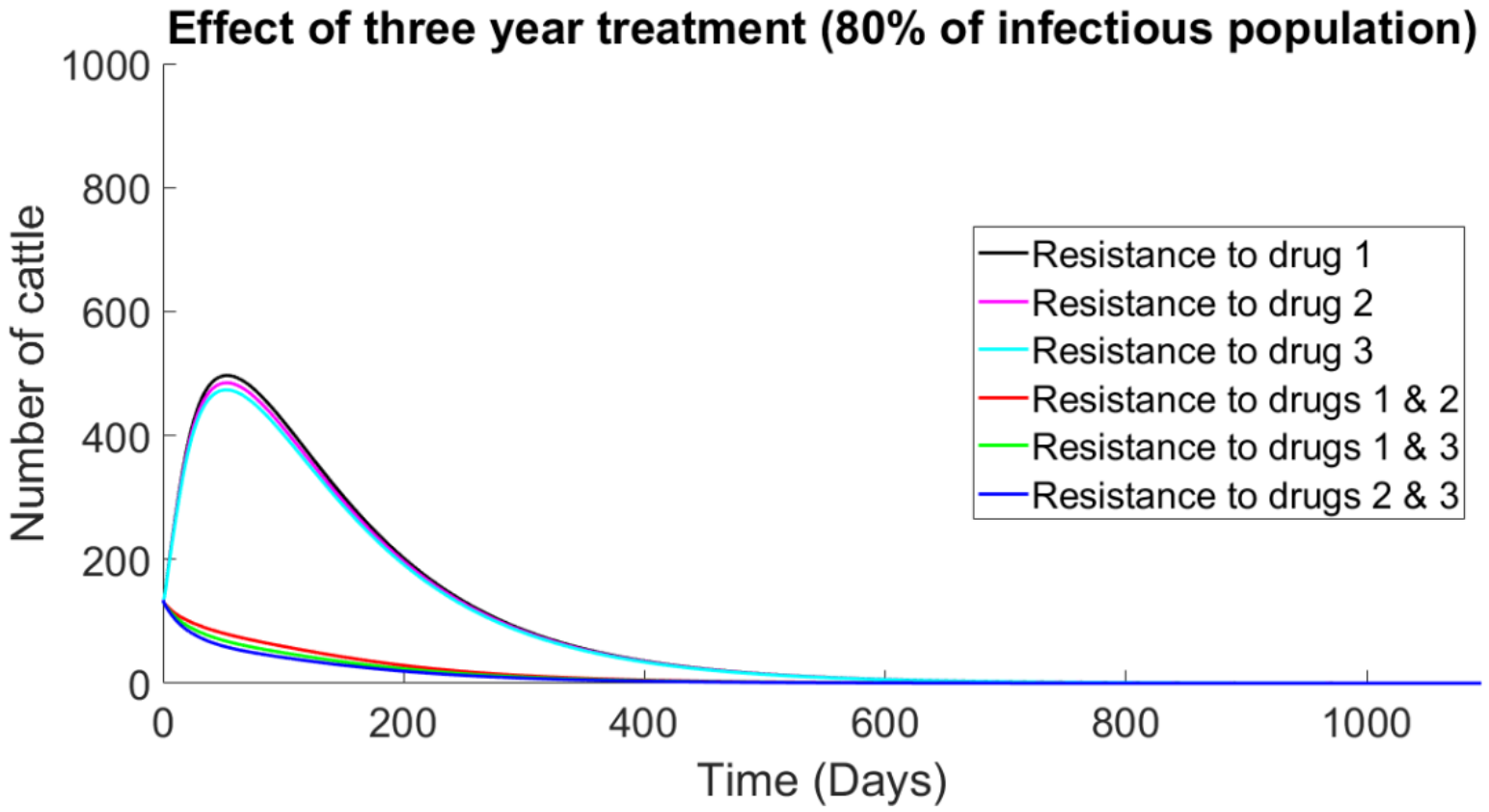
20% treatment with at a constant 0.04 resistance for each drug

C



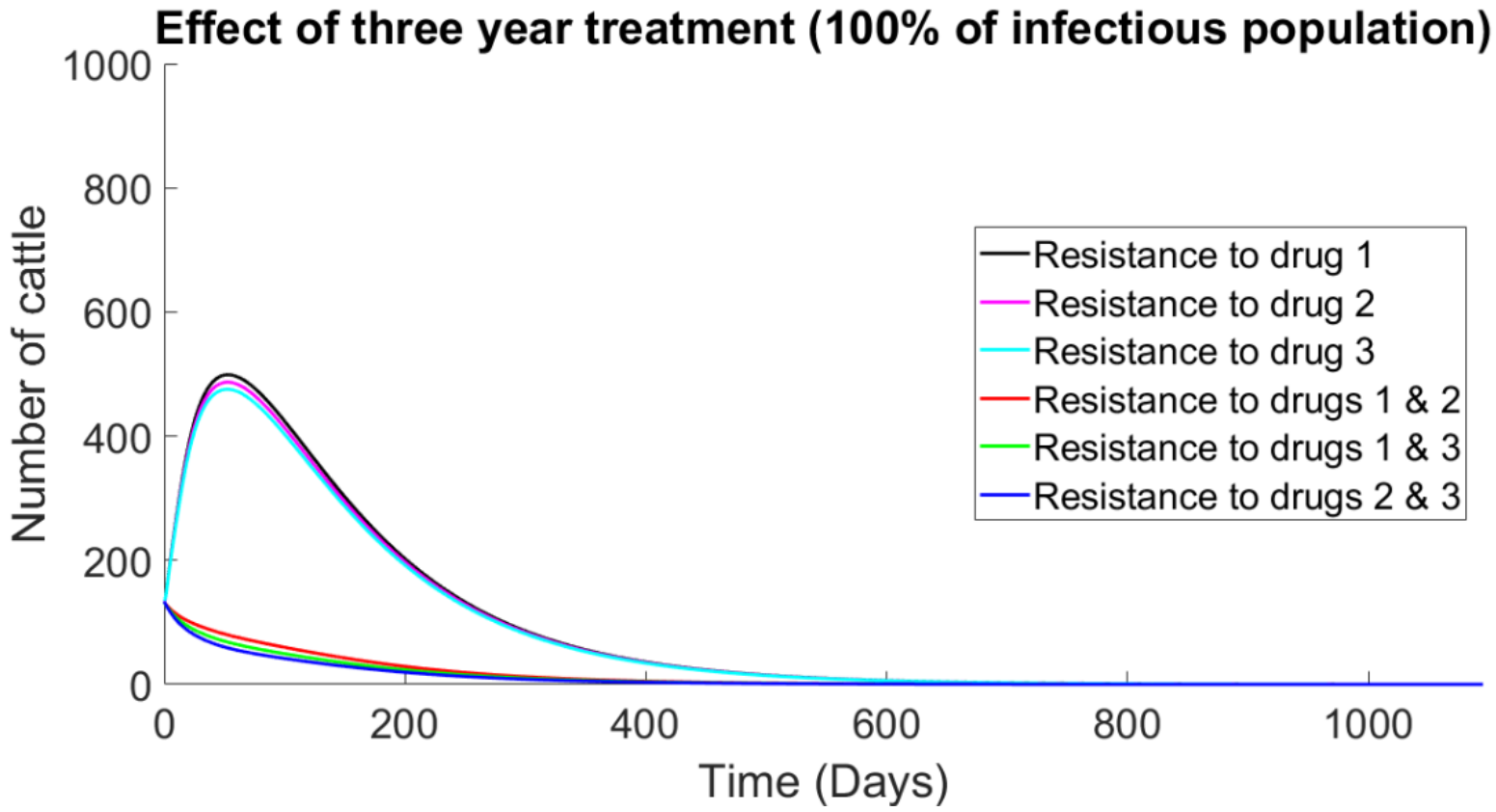
40% treatment with at a constant 0.04 resistance for each drug

D



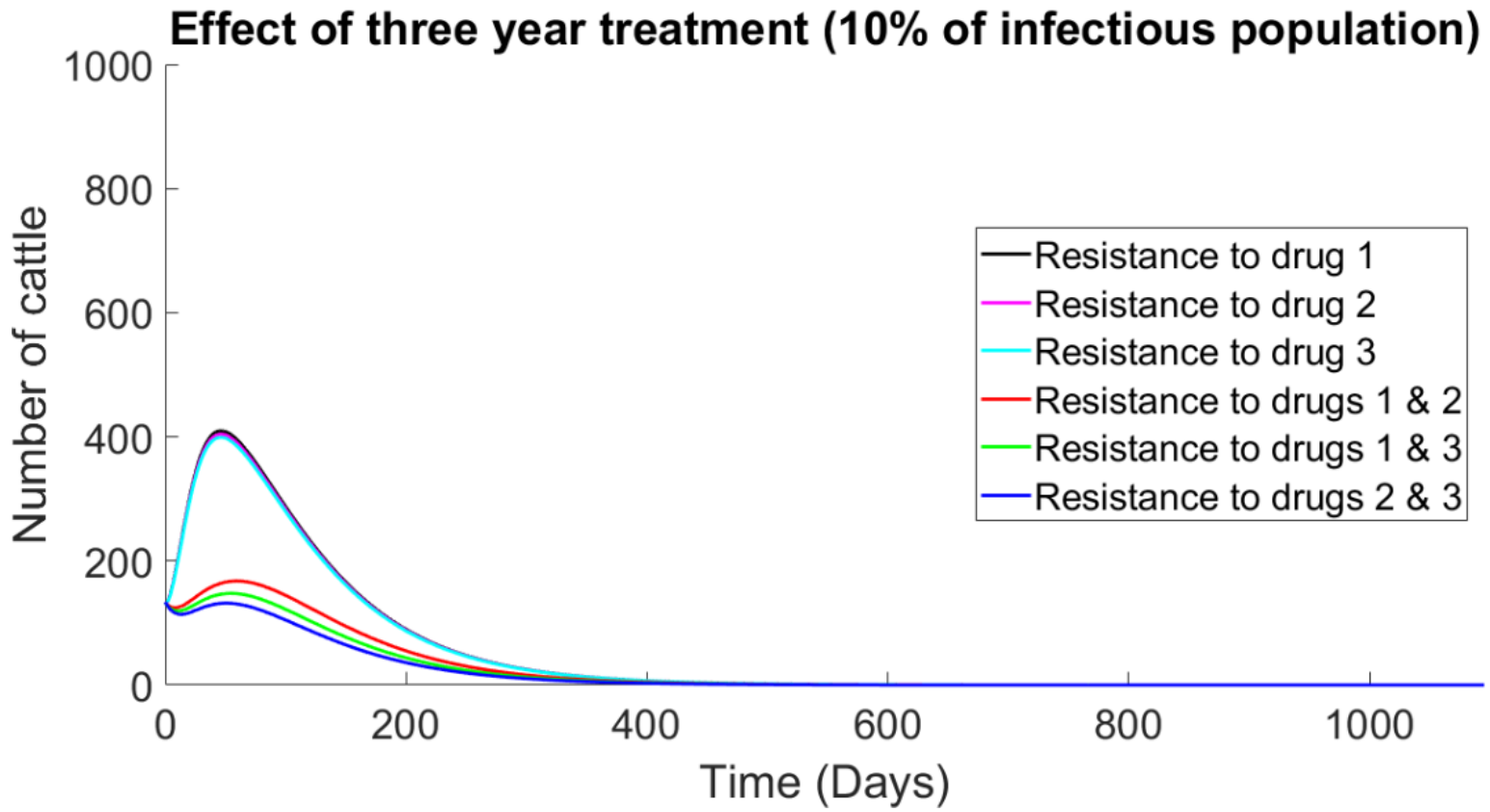
80% treatment with at a constant 0.04 resistance for each drug

E



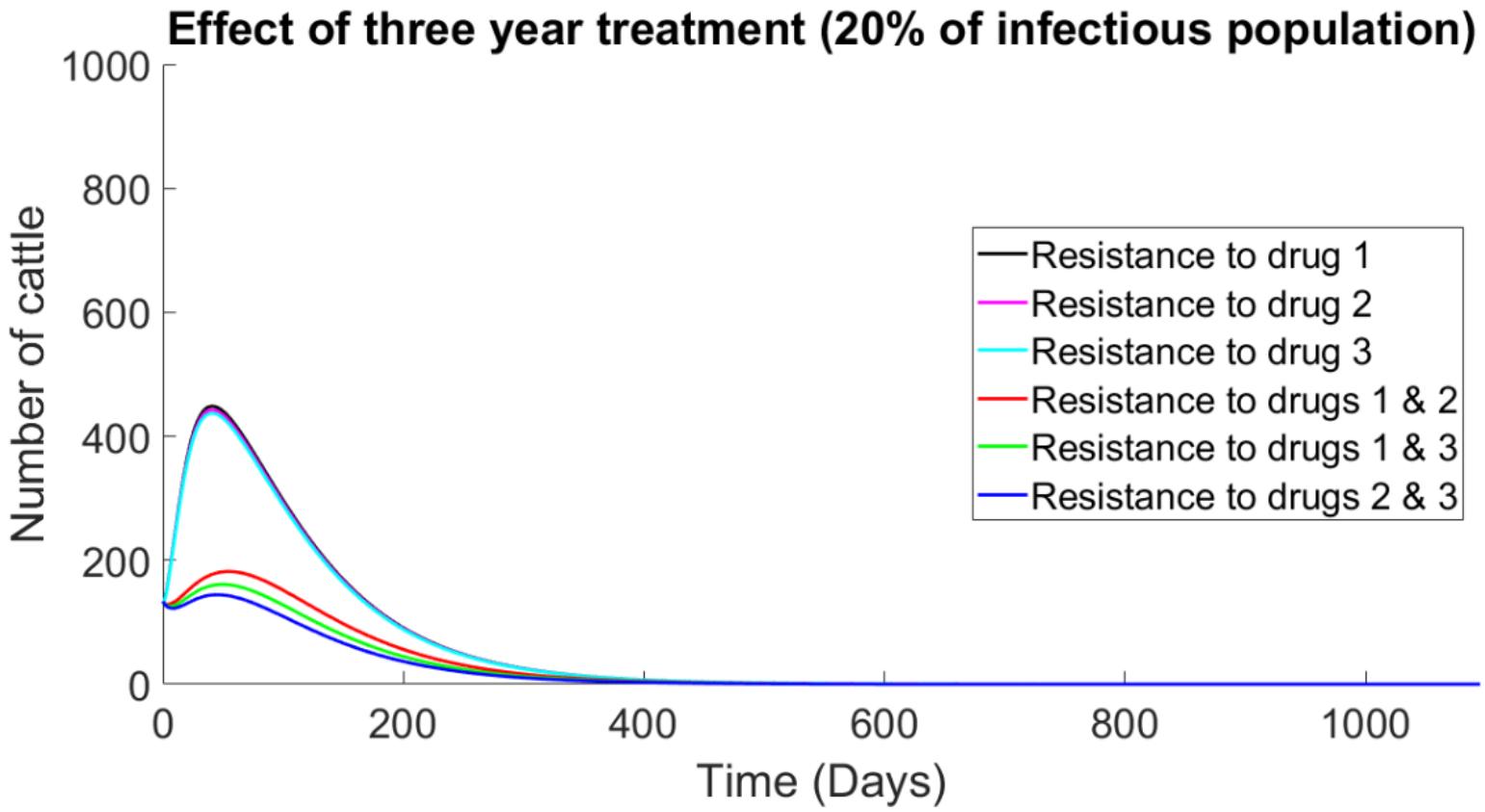
100% treatment with at a constant 0.04 resistance for each drug

F



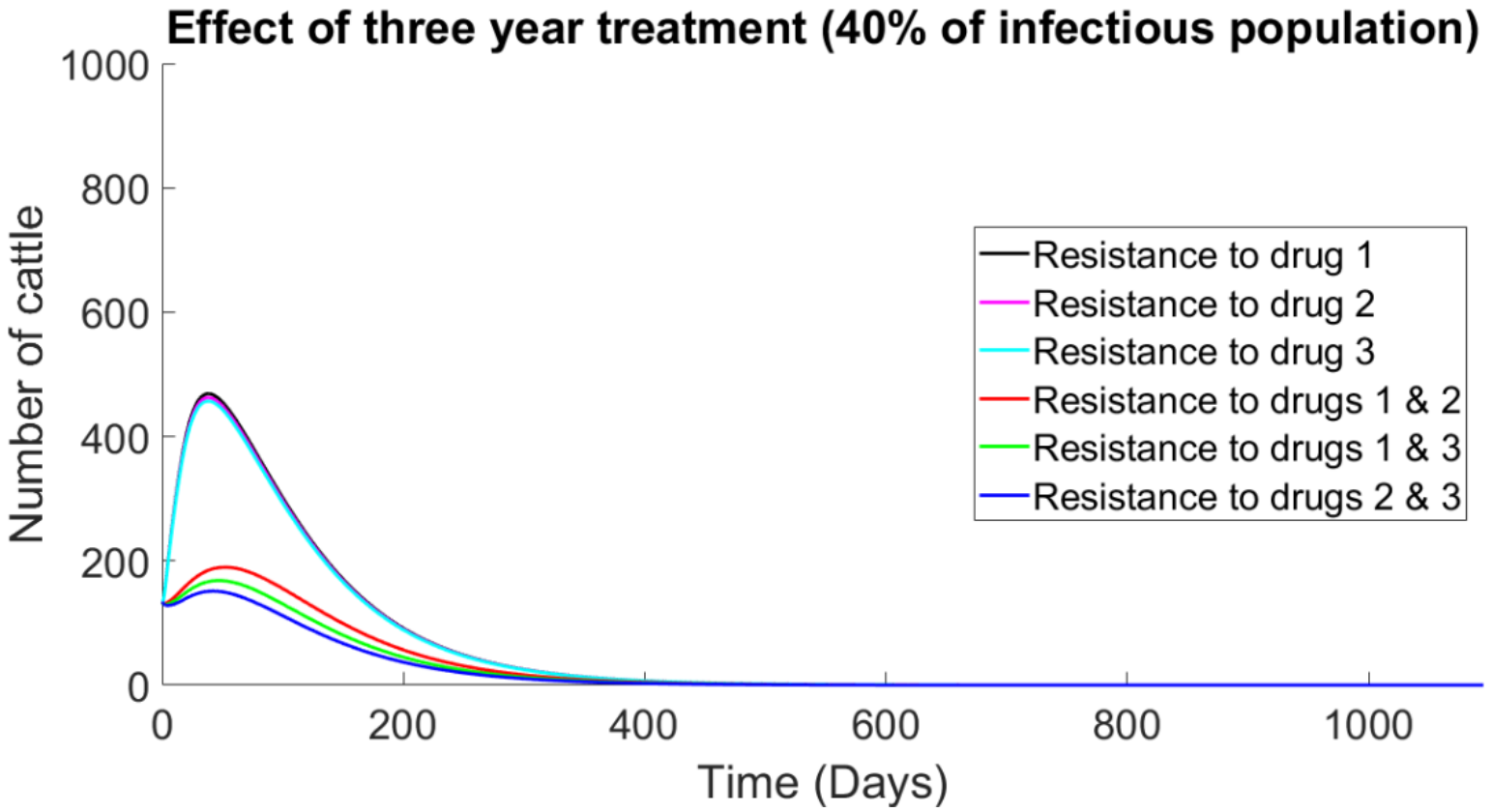
10% treatment with at a constant 0.075 resistance for each drug

G

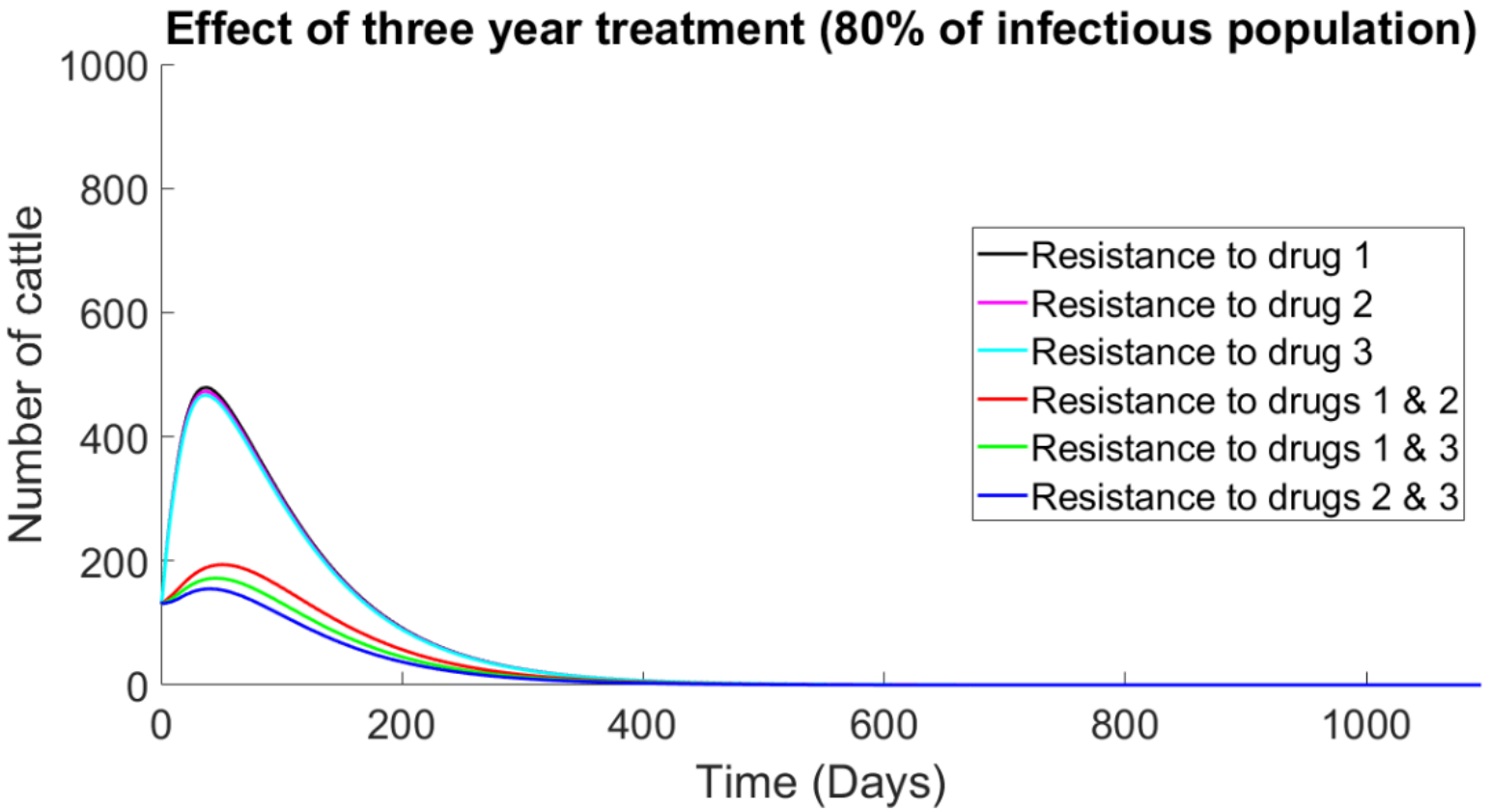


20% treatment with at a constant 0.075 resistance for each drug

H

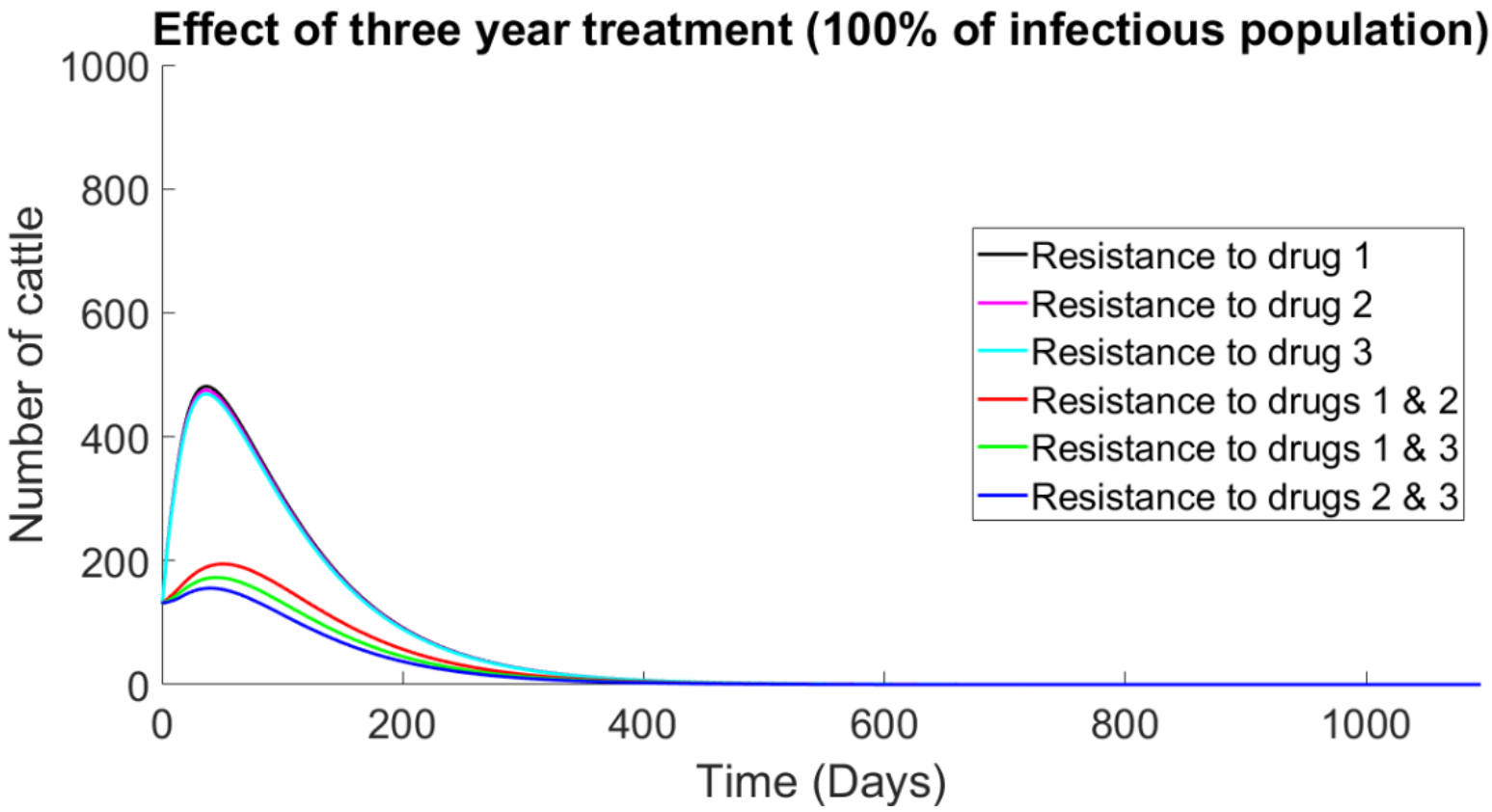


40% treatment with at a constant 0.075 resistance for each drug



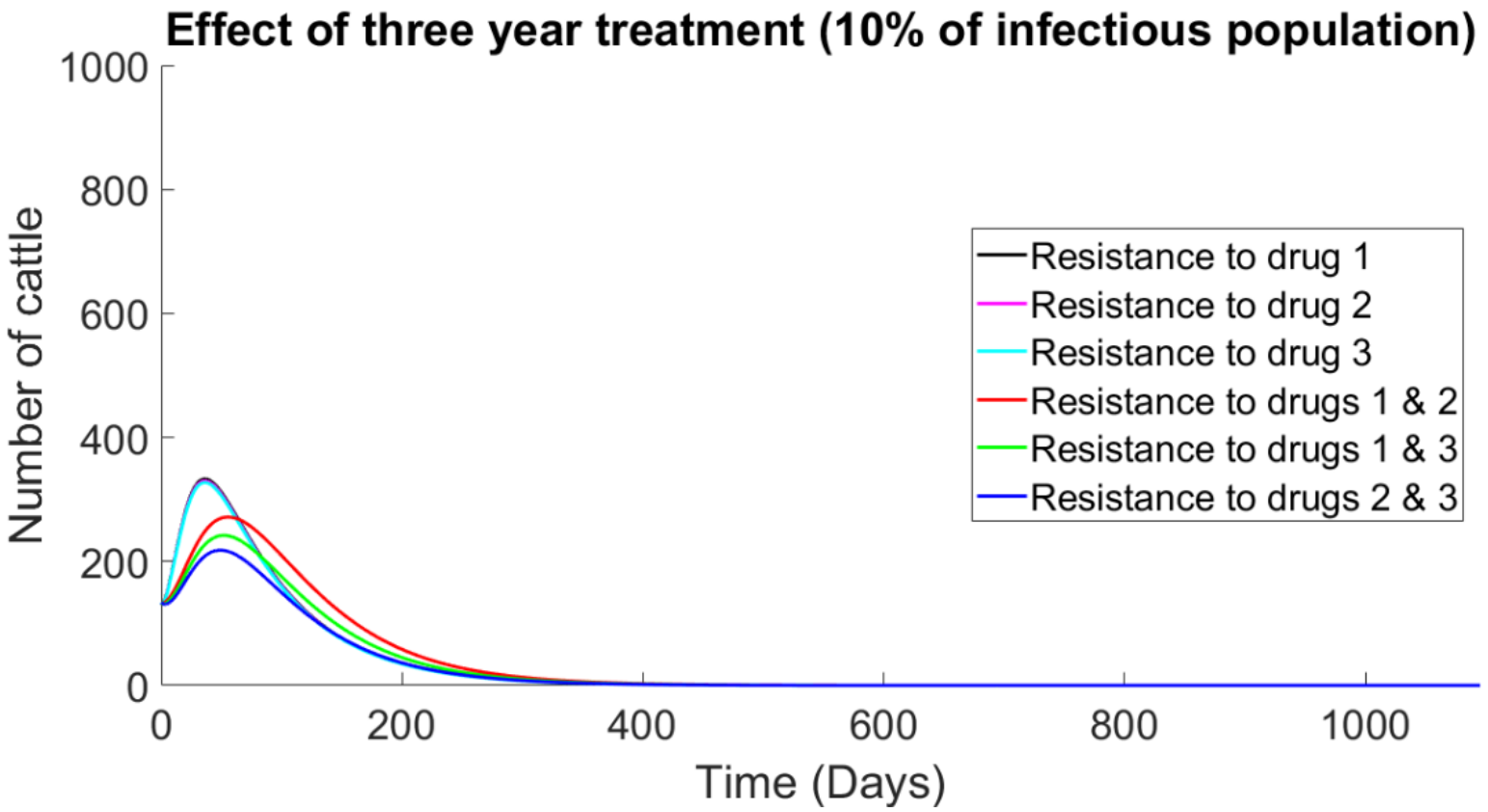
80% treatment with at a constant 0.075 resistance for each drug

J



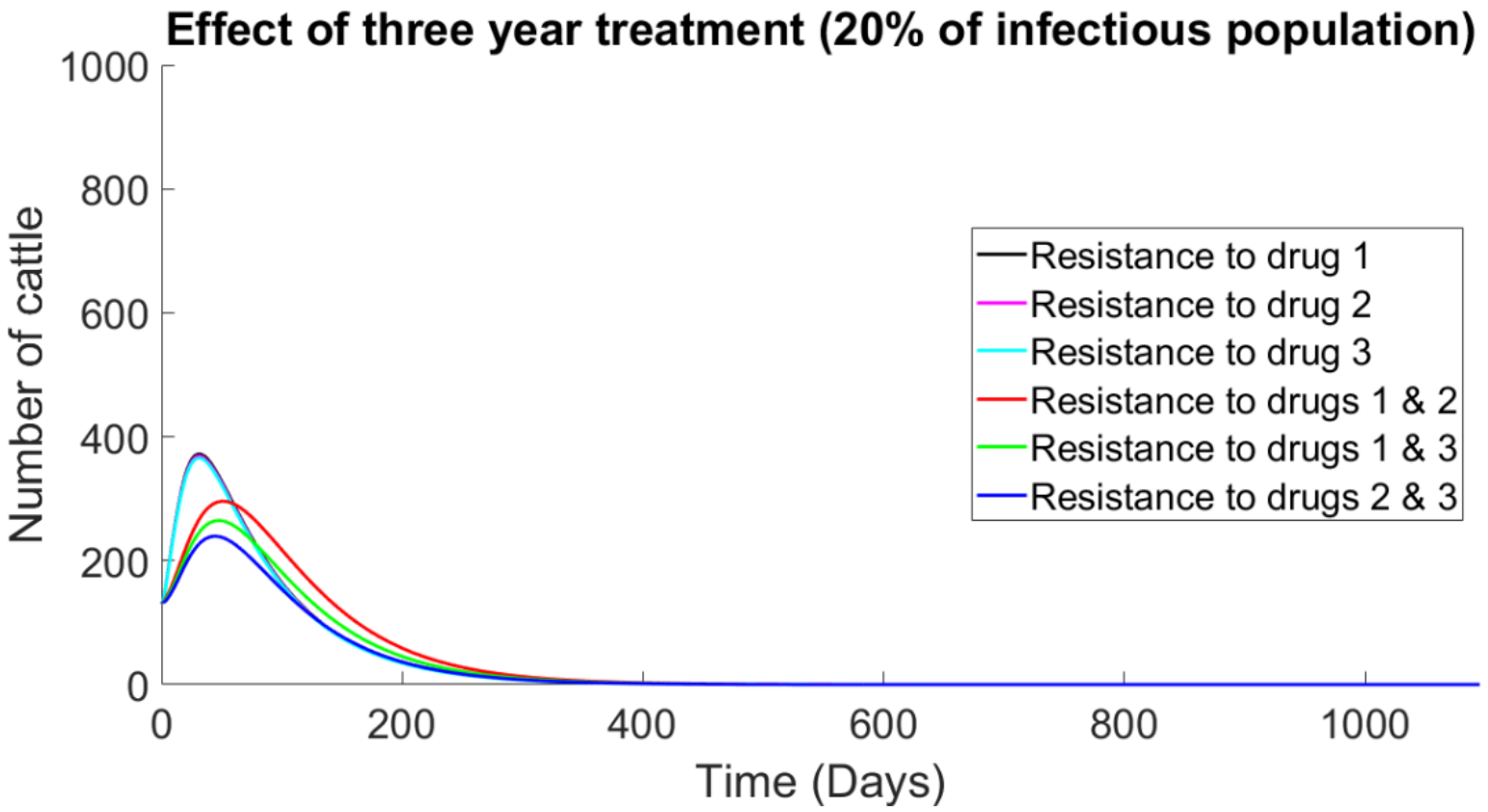
100% treatment with at a constant 0.075 resistance for each drug

K



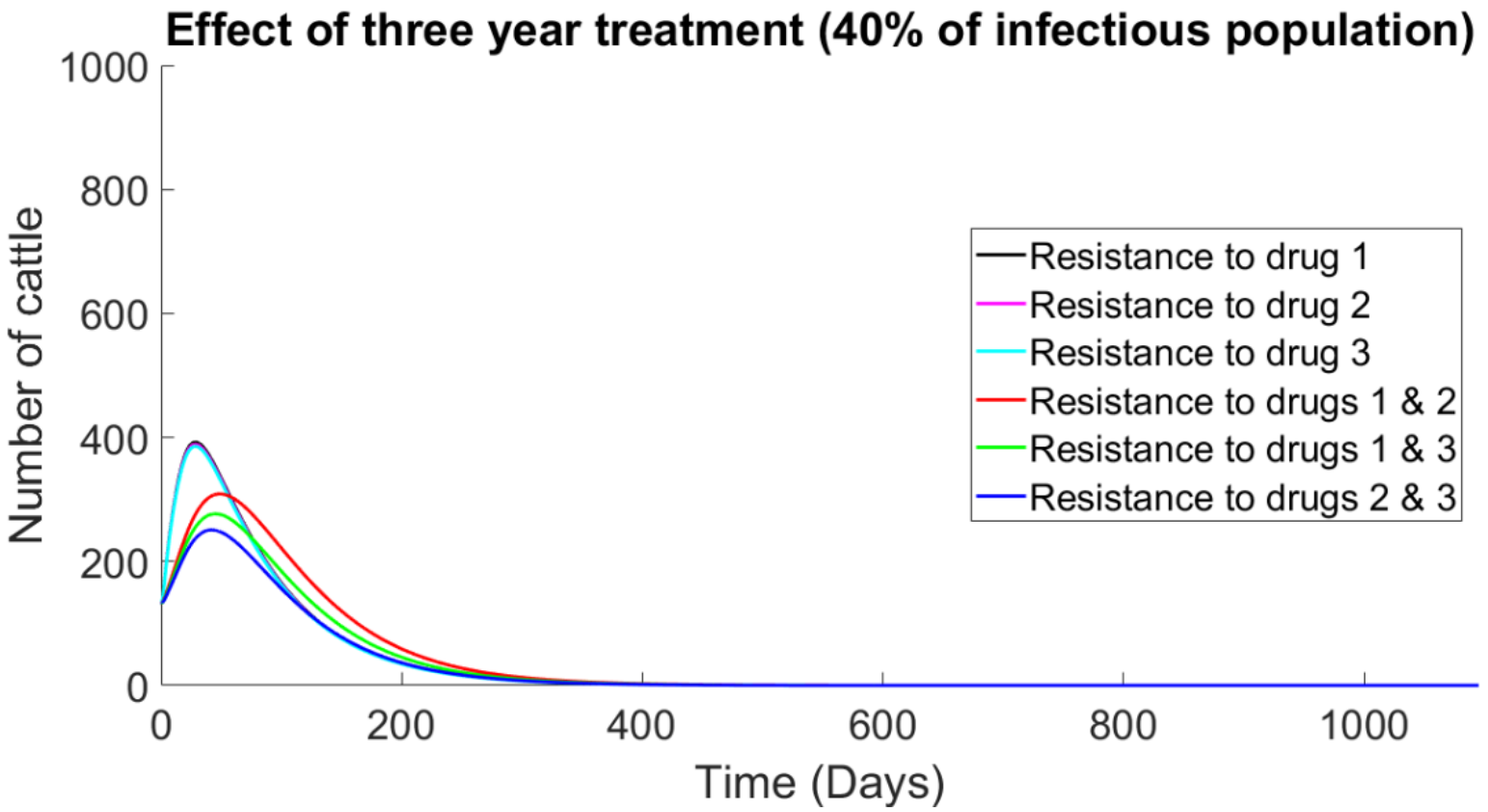
10% treatment with at a constant 0.11 resistance for each drug

L

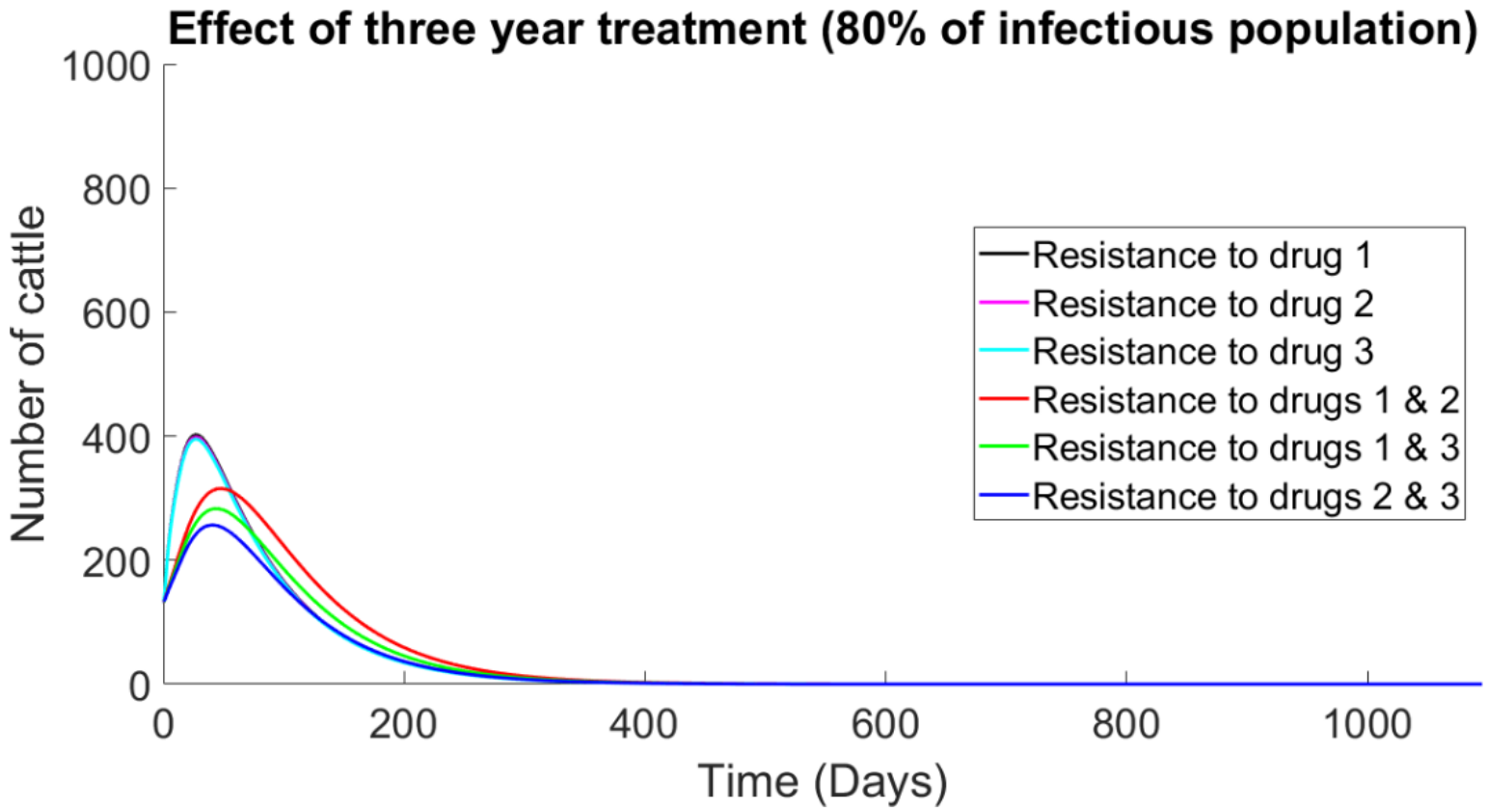


20% treatment with at a constant 0.11 resistance for each drug

M

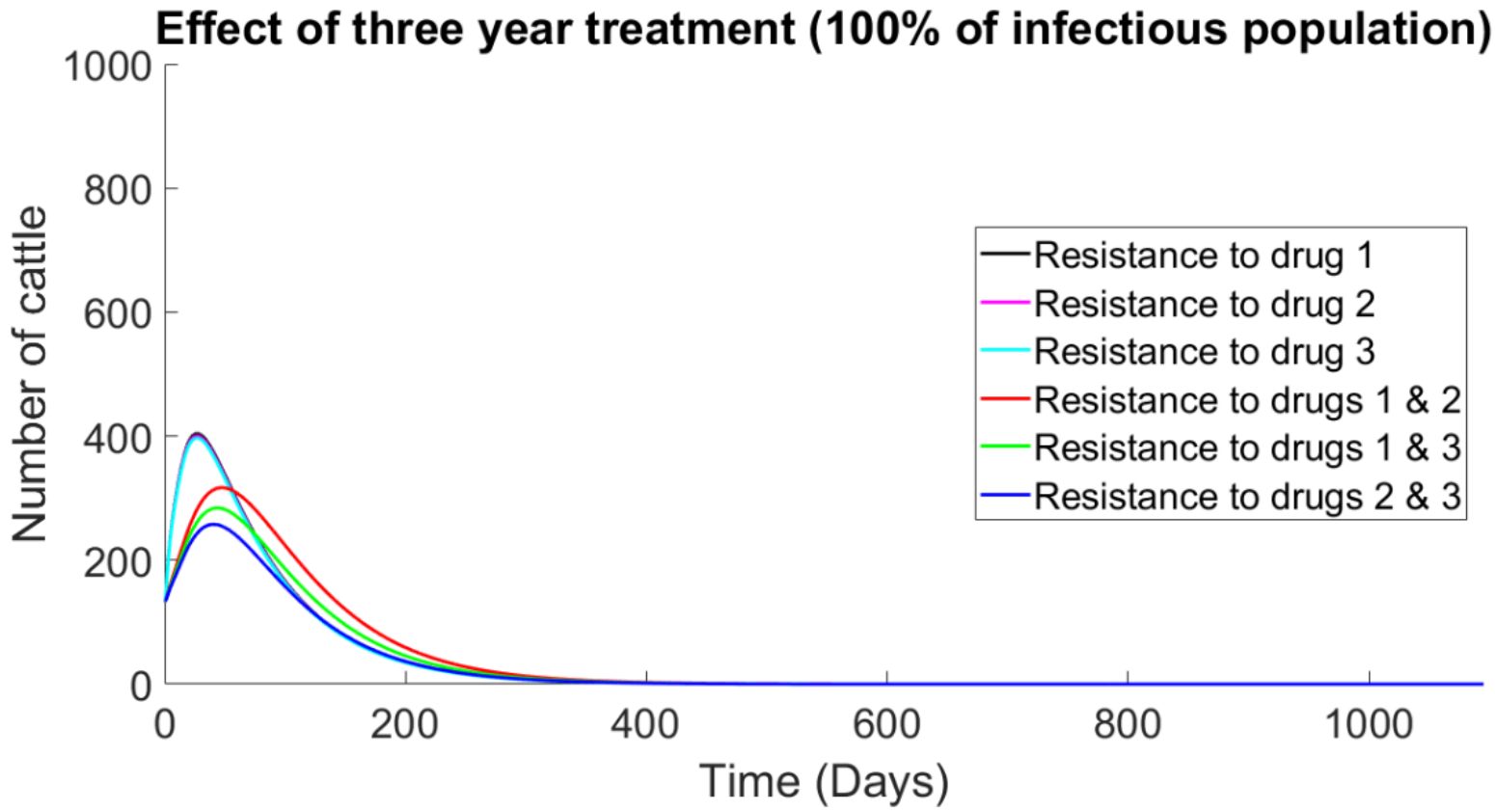


40% treatment with at a constant 0.11 resistance for each drug



80% treatment with at a constant 0.11 resistance for each drug

o



100% treatment with at a constant 0.11 resistance for each drug