Serial dilutions are made from patient serum and mixed with viral suspension. Concentration of the viral suspension remains constant.

Antibody-containing patient serum

Viral suspension

\[ V_l = i + - C \]

Cell monolayer + viral suspension + serum is covered with agar and incubated for several days.

Dilution at which antibody concentration is able to reduce plaque formation by 50% is known as the PRNT\(_{50}\). Indicates that antibodies exist in the patient that are able to neutralize further viral activity.