

Net: timeNet\_TPN\_sim\_example.project

## Manual sections/chapters:

4.1.3.1 (TPN net)

6.2.2 (Time Petri net simulator modes)

6.5 (State Simulator window and its features)

## Description of the example:

A simplified model of virus infection and the immunological system response given as Time Petri Net (TPN). Using the simulator (menu **Analysis** -> **State Simulator** (Ctrl+Q) the dynamic behavior of the system can be seen. In **SimSettings** window (activated with a button with gear icon), 50 000 steps have to be set, with the **Net type mode** set to „**Time(d) Petri net**“. Then, in State Simulator window **SimStart** button should be pressed.

In the chart below, places can be added to it by selecting from a list and each time pressing „**Add to chart**“ button.

Example in Holmes can look as in the following picture (here, Simulator settings window is also shown, however it must be closed to activate the **SimStart** button).

