

# template

test  
ESQlabs

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## 1 Introduction

## 2 Preparation

### 2.1 Librairies

```
library(ospsuite)
```

Loading required package: rClr

Loading the dynamic library for Microsoft .NET runtime...  
Loaded Common Language Runtime version 4.0.30319.42000

### 2.2 Data

#### 2.2.a Import

```
obsData <- ospsuite::loadDataSetFromPKML(system.file("extdata",  
"ObsDataAciclovir_1.pkml", package = "ospsuite"))
```

#### 2.2.b Clean

#### 2.2.c Save

## 3 Simulations

```
aciclovir_model <- loadSimulation(system.file("extdata", "Aciclovir.pkml",  
package = "ospsuite"))  
  
simulations <- runSimulations(list(aciclovir_sim = aciclovir_model))
```

## 4 Visualisation

### 4.1 DataCombined

```
aciclovir_data <- DataCombined$new()  
  
aciclovir_data$addDataSets(obsData, names = "Observed", groups = "aciclovir")  
  
aciclovir_data$addSimulationResults(simulations[[1]], names = "Simulated",  
groups = "aciclovir")
```

### 4.2 Plots

#### 4.2.a Time profile

```
timeprofile_conf <- DefaultPlotConfiguration$new()  
  
timeprofile_conf$title <- "Aciclovir Concentration Time Profile in Plasma  
(Peripheral Venous Blood)"
```

```
plotIndividualTimeProfile(aciclovir_data)
```

