

# esqlabsR.report.template

esqLABS GmbH

2023-09-18 16:54:20

## Table of Content

<b>1</b>	<b>About this template</b>	<b>2</b>
<b>2</b>	<b>Report Metadata</b>	<b>2</b>
<b>3</b>	<b>Parameters</b>	<b>2</b>
<b>4</b>	<b>Advanced metadata</b>	<b>2</b>
<b>5</b>	<b>Elements</b>	<b>2</b>
5.1	Callout boxes . . . . .	2
<b>6</b>	<b>Figures</b>	<b>2</b>
6.1	Plot a figure . . . . .	2
6.2	Plot all figures in a directory . . . . .	3
<b>7</b>	<b>Source Code</b>	<b>4</b>
<b>8</b>	<b>Source Text</b>	<b>5</b>
<b>9</b>	<b>Display Data table</b>	<b>5</b>

## 1 About this template

## 2 Report Metadata

The report's metadata can be customized by changing the values in the report's header.

## 3 Parameters

Parameters defined in the header of the documents can be accessed by R in the `params` object.

```
params$setTestParameters
```

```
[1] FALSE
```

## 4 Advanced metadata

Other metadata can be accessed and modified in the `_quarto.yml` file.

## 5 Elements

### 5.1 Callout boxes

**i** Note

Text can be displayed in callout boxes to draw reader's attention.

To generate callout grammatically use the following structure

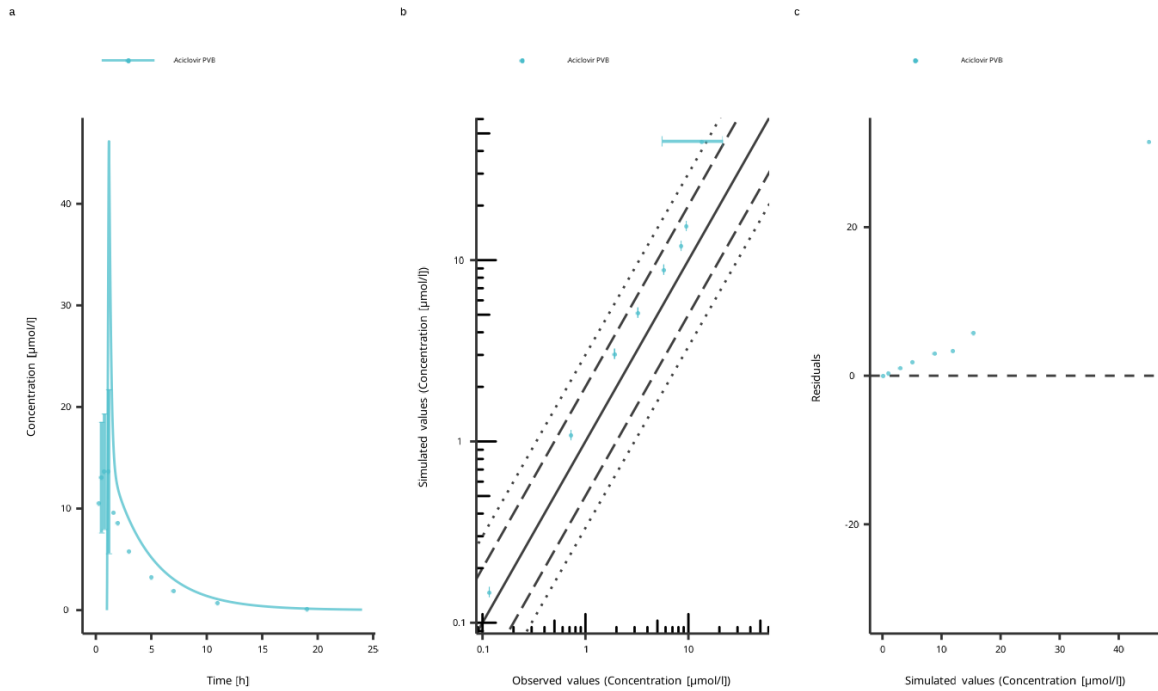
```
if (params$setTestParameters) {  
  cat(  
    " ::: {.callout-warning}  
    `setTestParameters` is set to `TRUE` !  
    :::"  
  )  
}
```

## 6 Figures

### 6.1 Plot a figure

```

```



## 6.2 Plot all figures in a directory

This need to be setup in two different code chunks

```
# list files we want to display
figs <- list.files("figures/", pattern = "\\.[pj][pn]g", full.names = TRUE)
# Extract the name of the plot from the files names
figs_names <- fs::path_ext_remove(fs::path_file(figs))

#| fig-cap: !expr figs_names
knitr::include_graphics(figs)
```

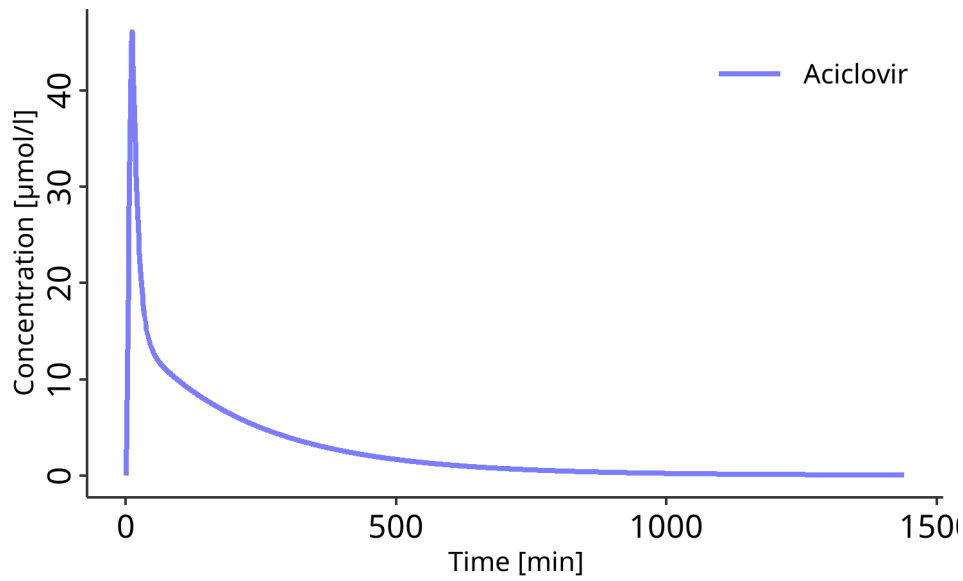


Figure 1: Aciclovir Concentration Time Profile

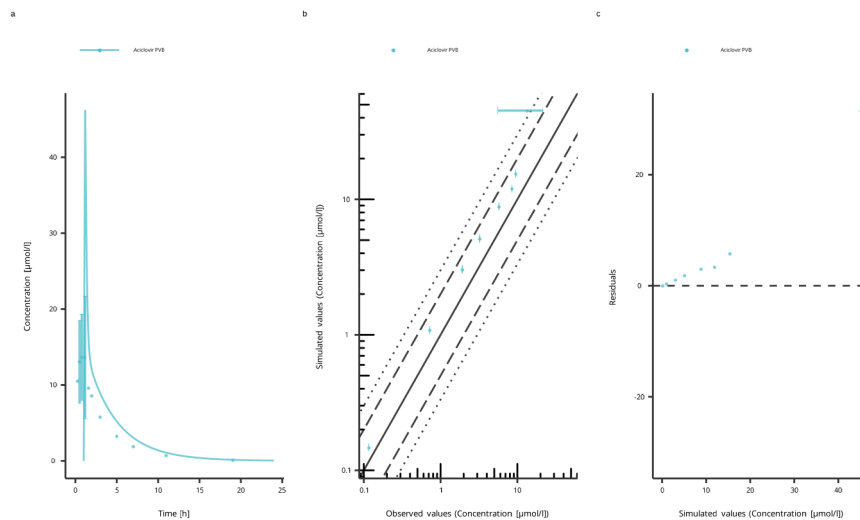


Figure 2: Aciclovir Plots

## 7 Source Code

It is often cleaner to define functions and logic in separate code files. for this, use the `scripts/` folder and source the files there

```
# source the script
source("scripts/main.R")
# use its function and pass parameters
main(params = params)
```

## 8 Source Text

In some case, it can be useful to insert text from another file.

This text was written in `source_text.md` and yet, is included in the main document using the `{{< include _content.qmd >}}`

## 9 Display Data table

IndividualId	Gender	Population	Organism.Weight	Organism.BMI
0	MALE	European_ICRP_2002	61.53480	0.2211044
1	MALE	European_ICRP_2002	62.96552	0.1965402