

# Open Systems Pharmacology Suite - 11 Installation Validation

Administrator

May 20, 2022

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# Chapter 1

## Installation Validation Results

### Overall Validation Result

Invalid

### 1.1 Validation Summary

#### Run Duration

Start time: 2022-05-20 11:02

End time: 2022-05-20 12:36

Validation performed in 01h:34m:13s:476ms

#### Input Configuration Folder

C:\ProgramData\Open Systems Pharmacology\InstallationValidator\11.0\Inputs\BatchFiles

#### Local Outputs Location

C:\Users\Administrator\AppData\Roaming\Open Systems Pharmacology\InstallationValidator\11.0\Outputs

#### Application Versions

PK-Sim Version 11.0.150

MoBi Version 11.0.138

#### Language Settings

English (United States) (en-US)

#### Computer Name

WIN-PN78ONLODFL

#### Operating System

Windows Server 2019 Standard

#### Architecture

x64

#### Running on Virtual Machine

Yes

#### Running on Terminal Session

No

## 1.2 Comparison Results

### Overall Comparison Result

Invalid

### Installation Folder

C:\ProgramData\Open Systems Pharmacology\InstallationValidator\11.0\Outputs\BatchFiles

### Computed Folder

C:\Users\Administrator\AppData\Roaming\Open Systems Pharmacology\InstallationValidator\11.0\Outputs

### 1.2.1 Invalid Simulations (1/155)

**Simulation: Human\_MultiORAL\_6\_12\_12\_Dissolved-Human\_MultiORAL\_6\_12\_12\_Dissolved\_solubility**

Result of the validation: Invalid

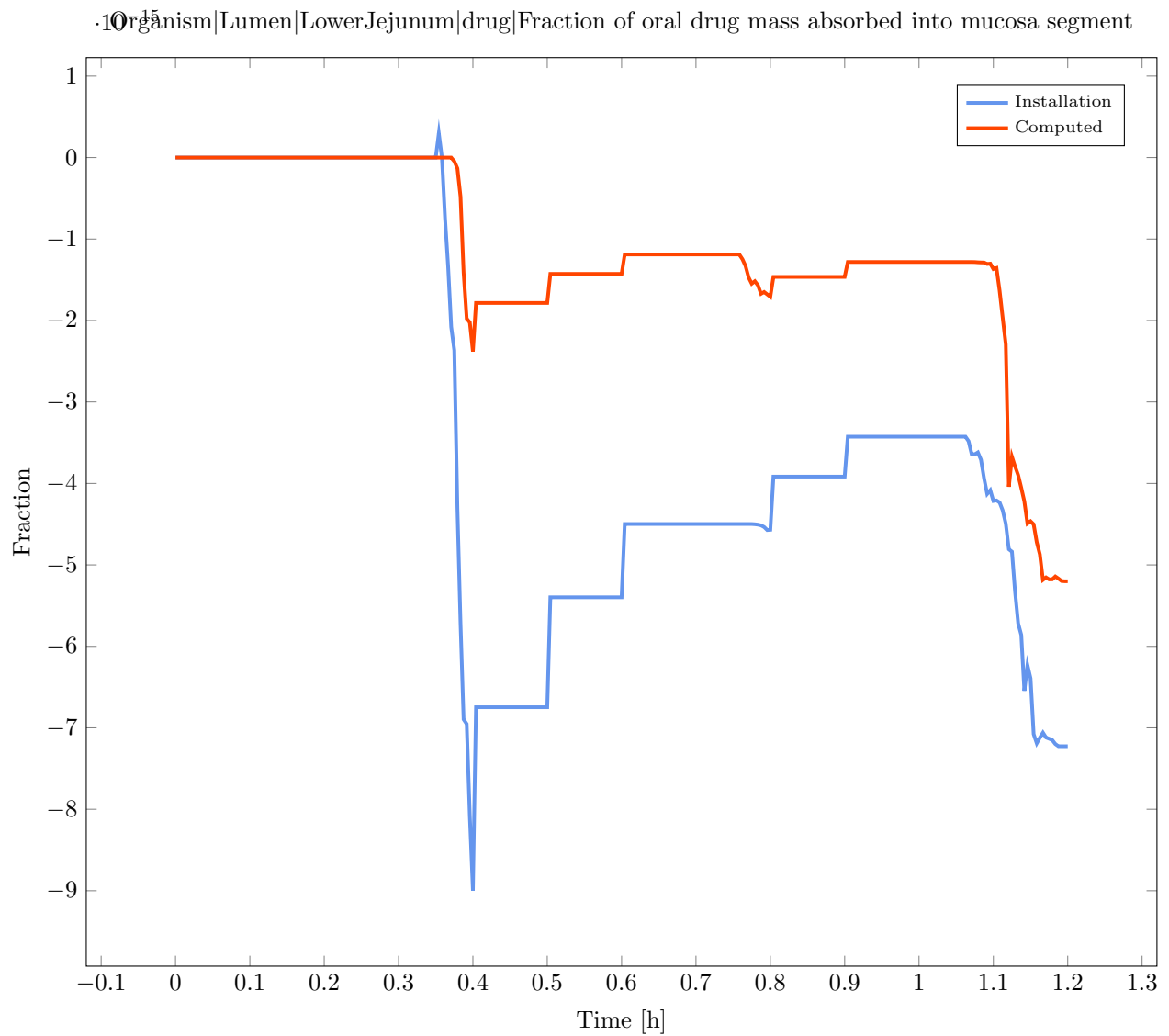
Absolute Tolerance: 1.00E-13

Relative Tolerance: 1.00E-8

**Output Path: Organism|Lumen|LowerJejunum|drug|Fraction of oral drug mass absorbed into mucosa segment**

Deviation for 'Organism|Lumen|LowerJejunum|drug|Fraction of oral drug mass absorbed into mucosa segment' is 100.00% and is greater than the allowed max. tolerance of 3.00%

Deviation: 1.00

**Figure 1.1**

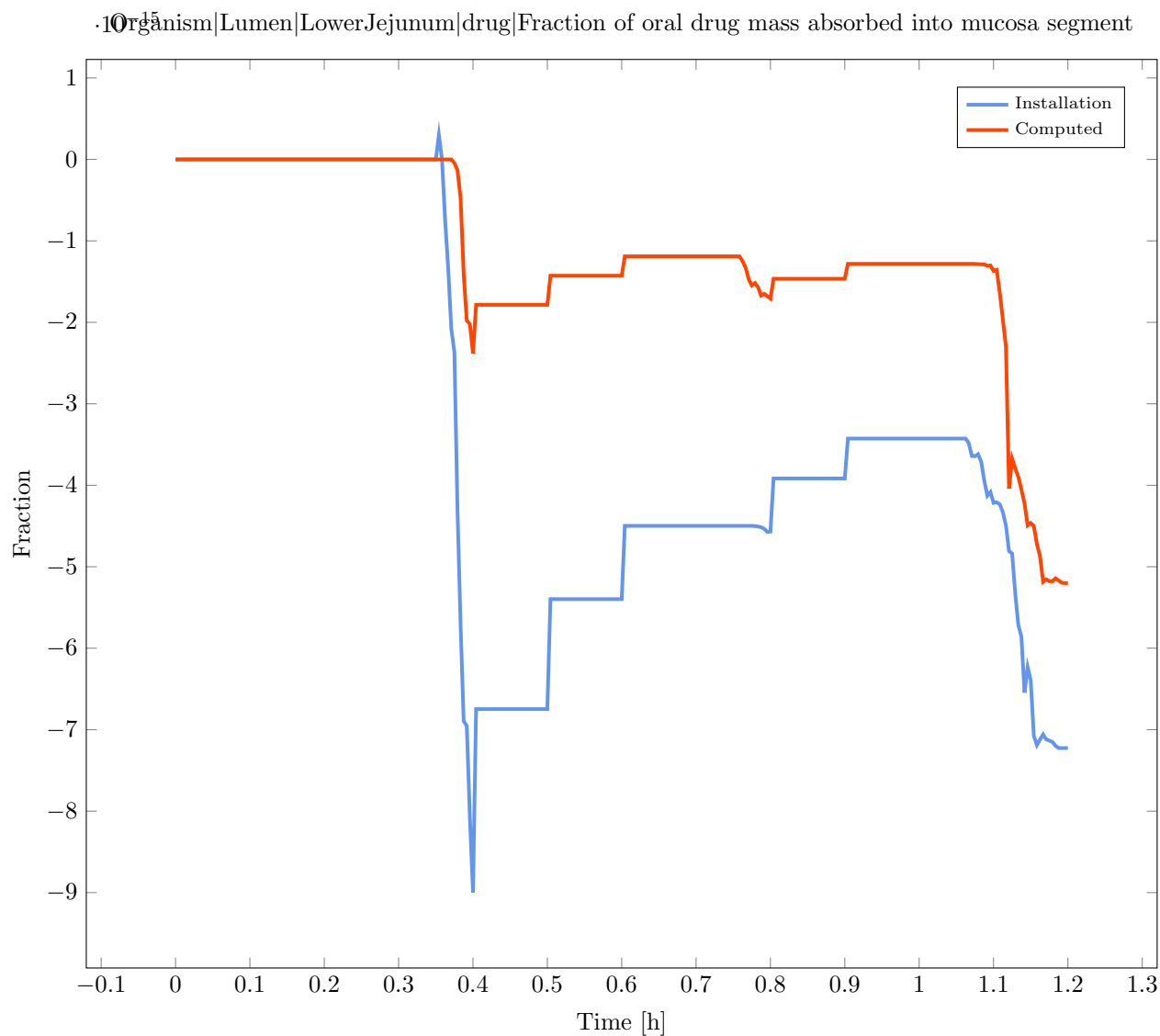


Figure 1.2

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 9.74E-8

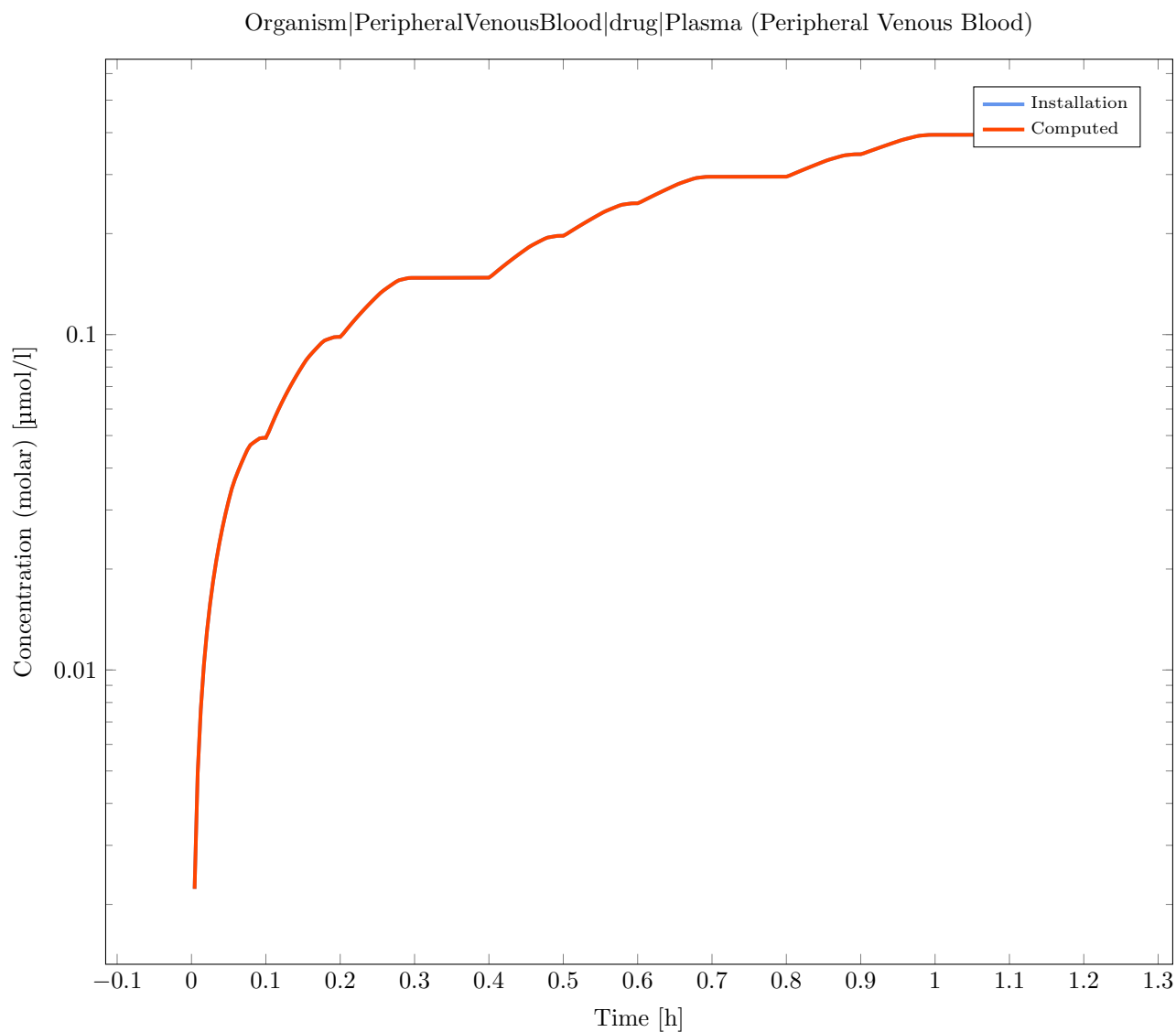


Figure 1.3

### 1.2.2 Valid Simulations (154/155)

Simulation: Beagle\_SingleORAL\_Dissolved-Beagle\_SingleORAL\_Dissolved

Result of the validation: Valid

Output Path: Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

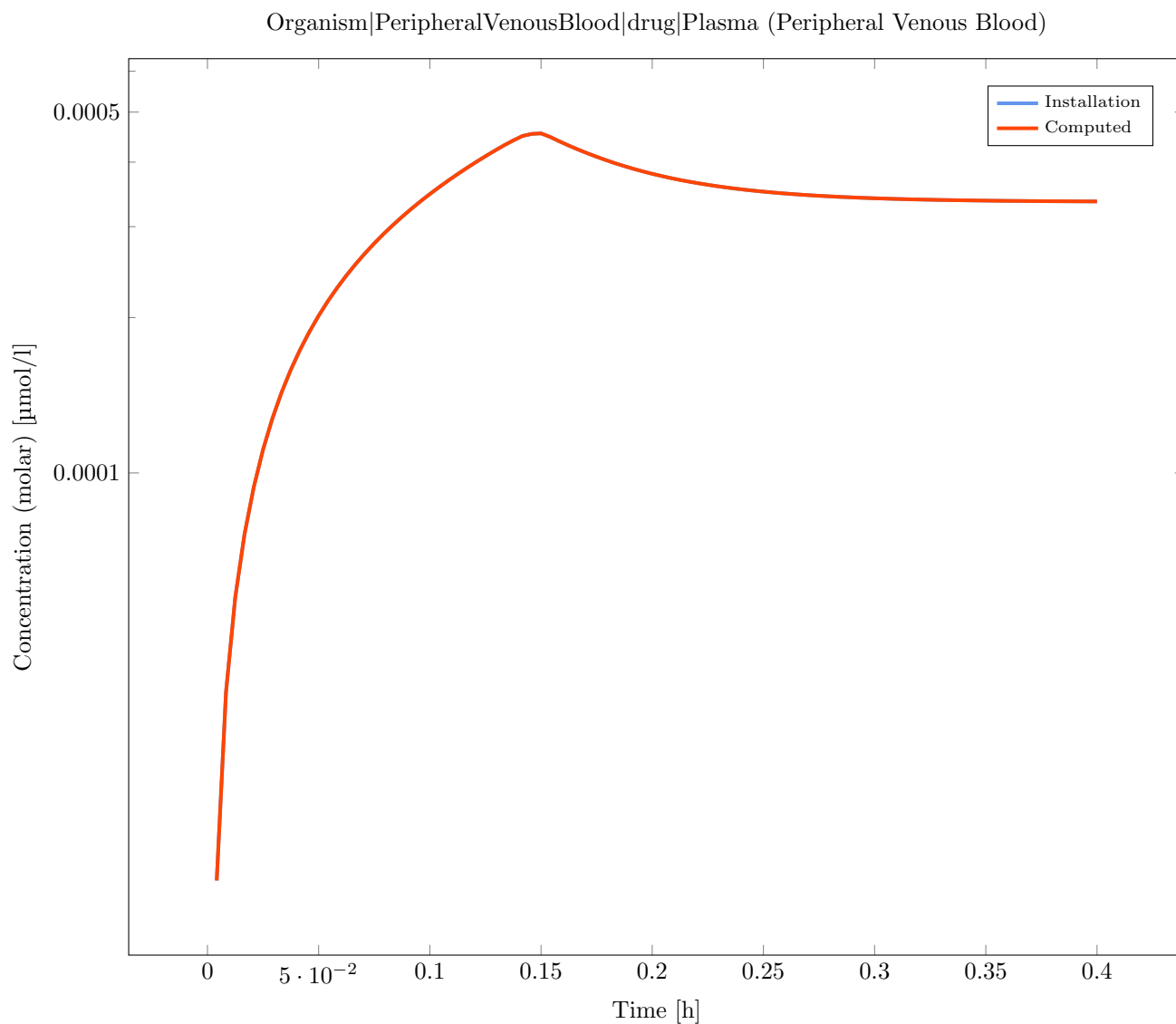


Figure 1.4

**Simulation:** Beagle\_SingleORAL\_Dissolved-Beagle\_SingleORAL\_Dissolved\_MW\_200\_fu\_0.2\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0



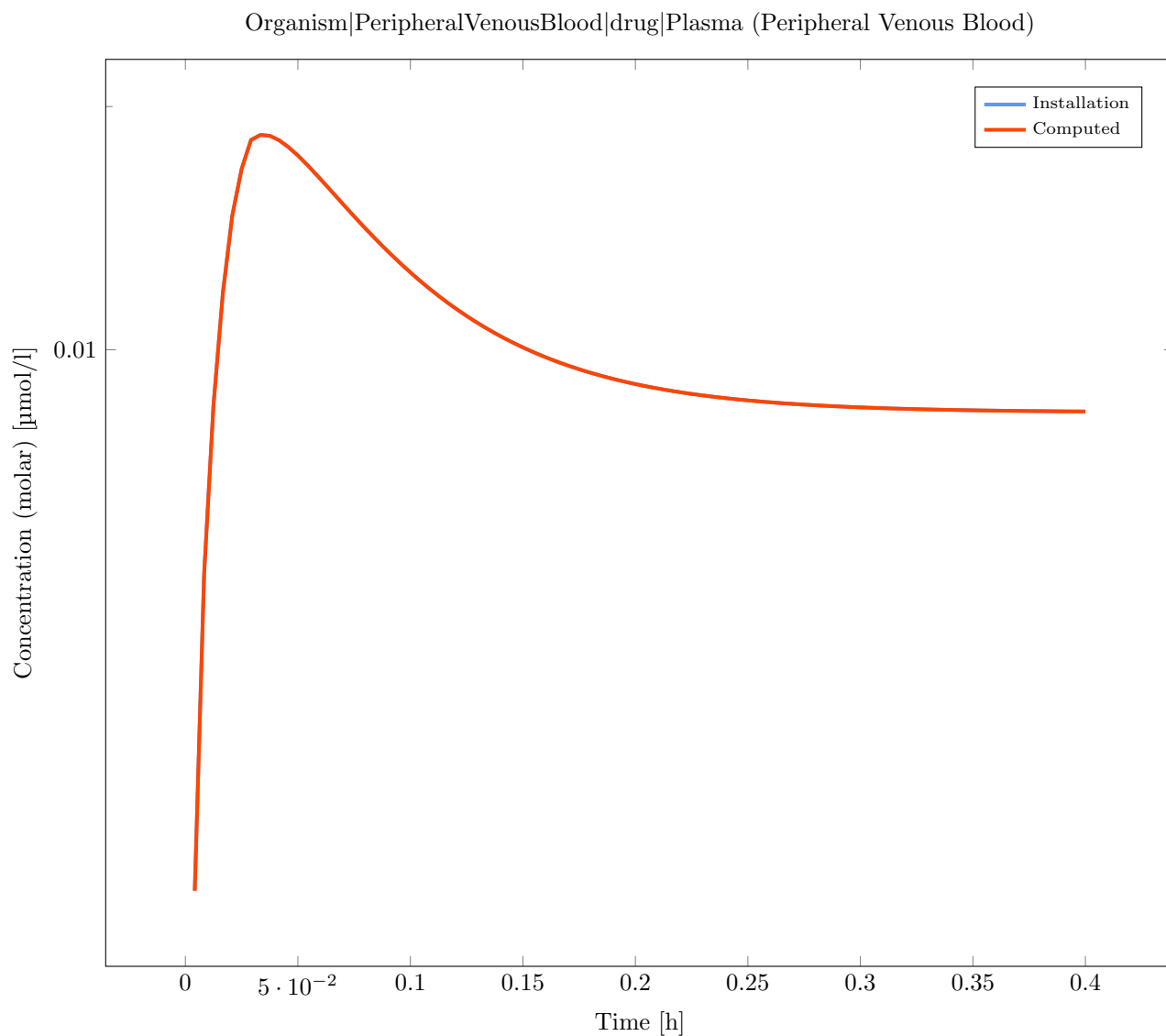


Figure 1.5

**Simulation:** Beagle\_SingleORAL\_Dissolved-Beagle\_SingleORAL\_Dissolved\_MW\_800\_fu\_0.6\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

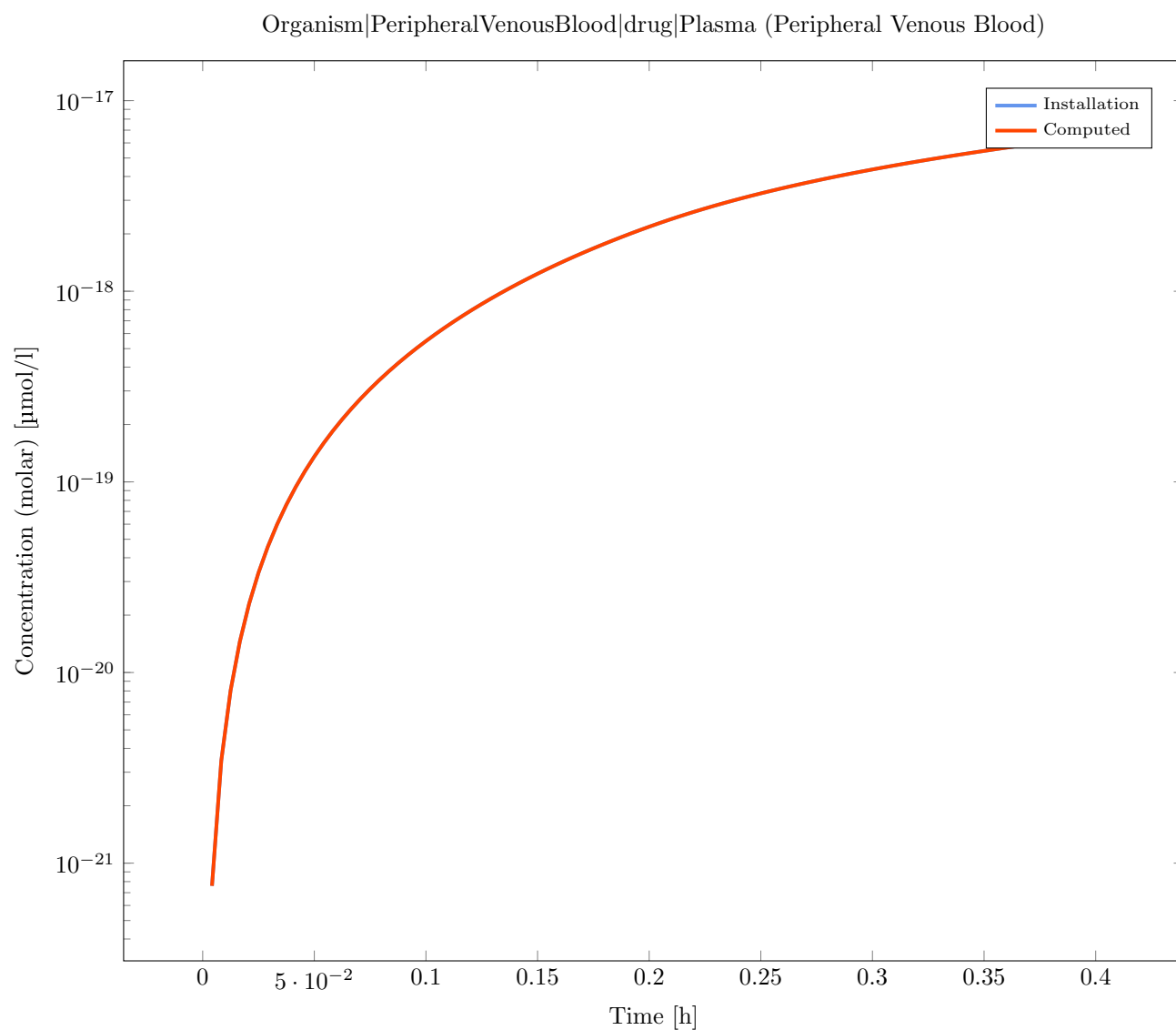


Figure 1.6

**Simulation:** DDI\_MultipleCombinations-01\_MM\_Competitive\_Competitive

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 3.84E-4

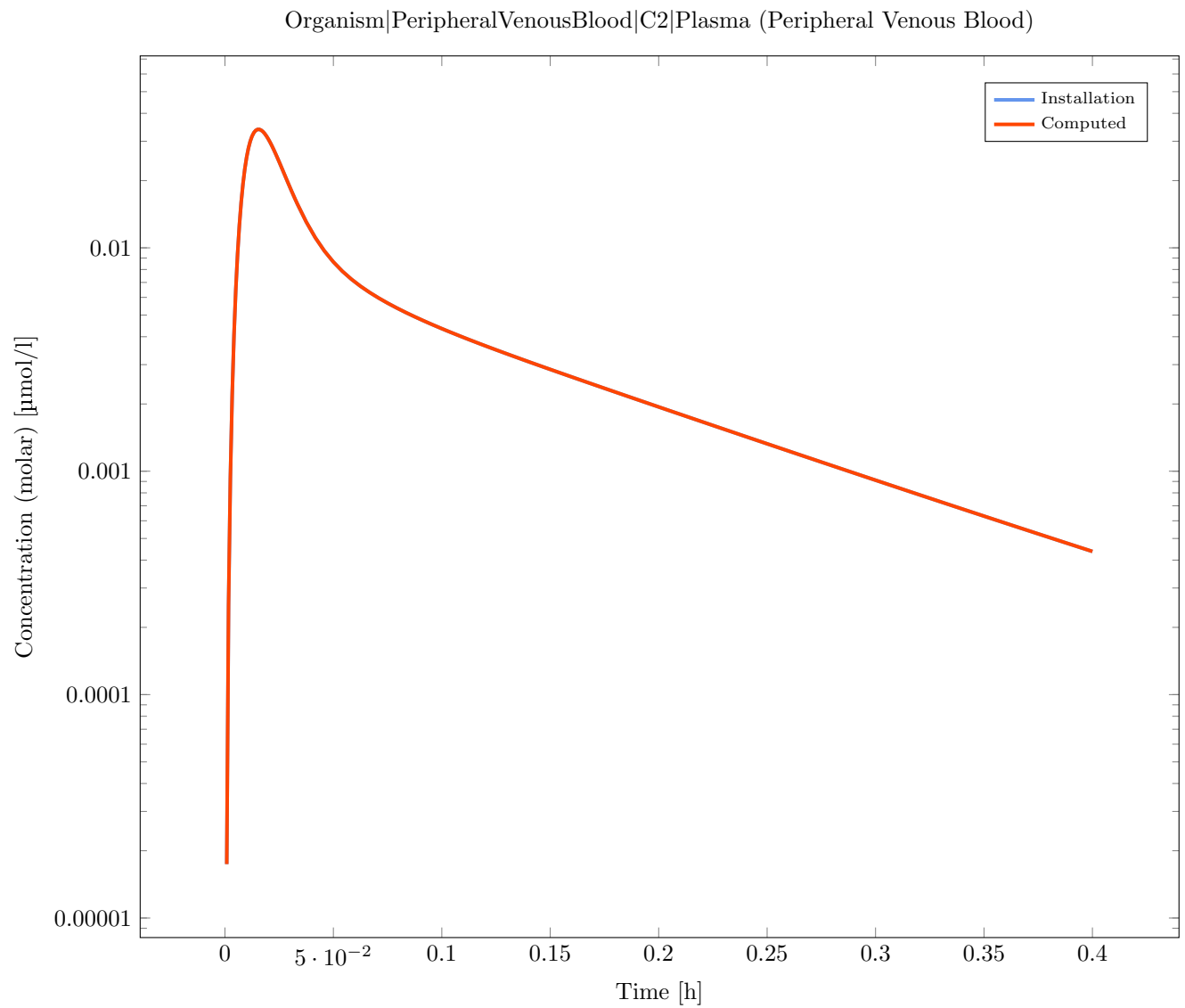


Figure 1.7

**Output Path:** Organism|PeripheralVenousBlood|Fluvoxamine|Plasma (Peripheral Venous Blood)  
Deviation: 2.00E-4

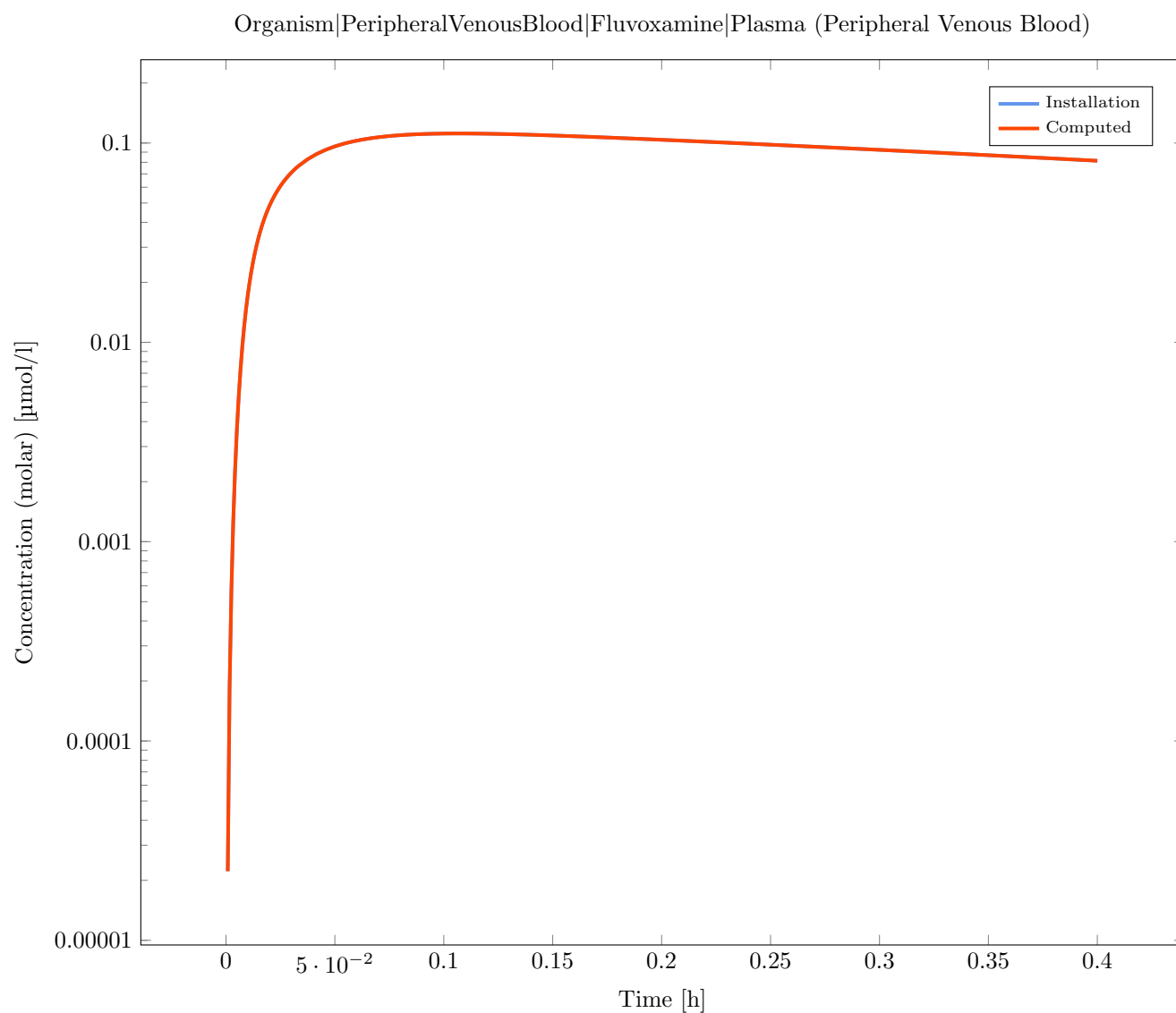


Figure 1.8

**Output Path:** Organism|PeripheralVenousBlood|Itraconazole|Plasma (Peripheral Venous Blood)

Deviation: 2.44E-4

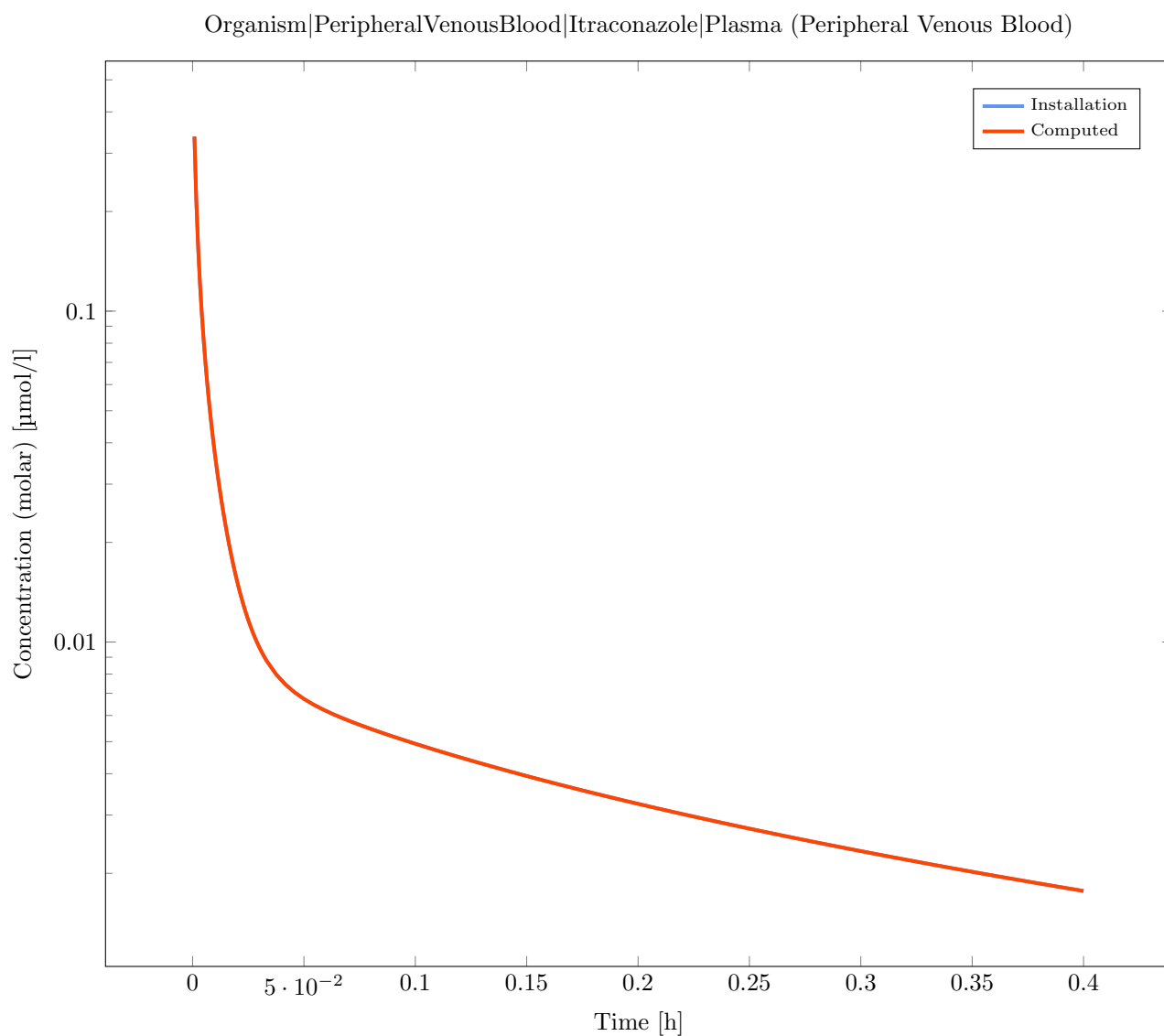


Figure 1.9

**Simulation:** DDI\_MultipleCombinations-02\_MM\_Uncompetitive\_Uncompetitive

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 3.77E-4

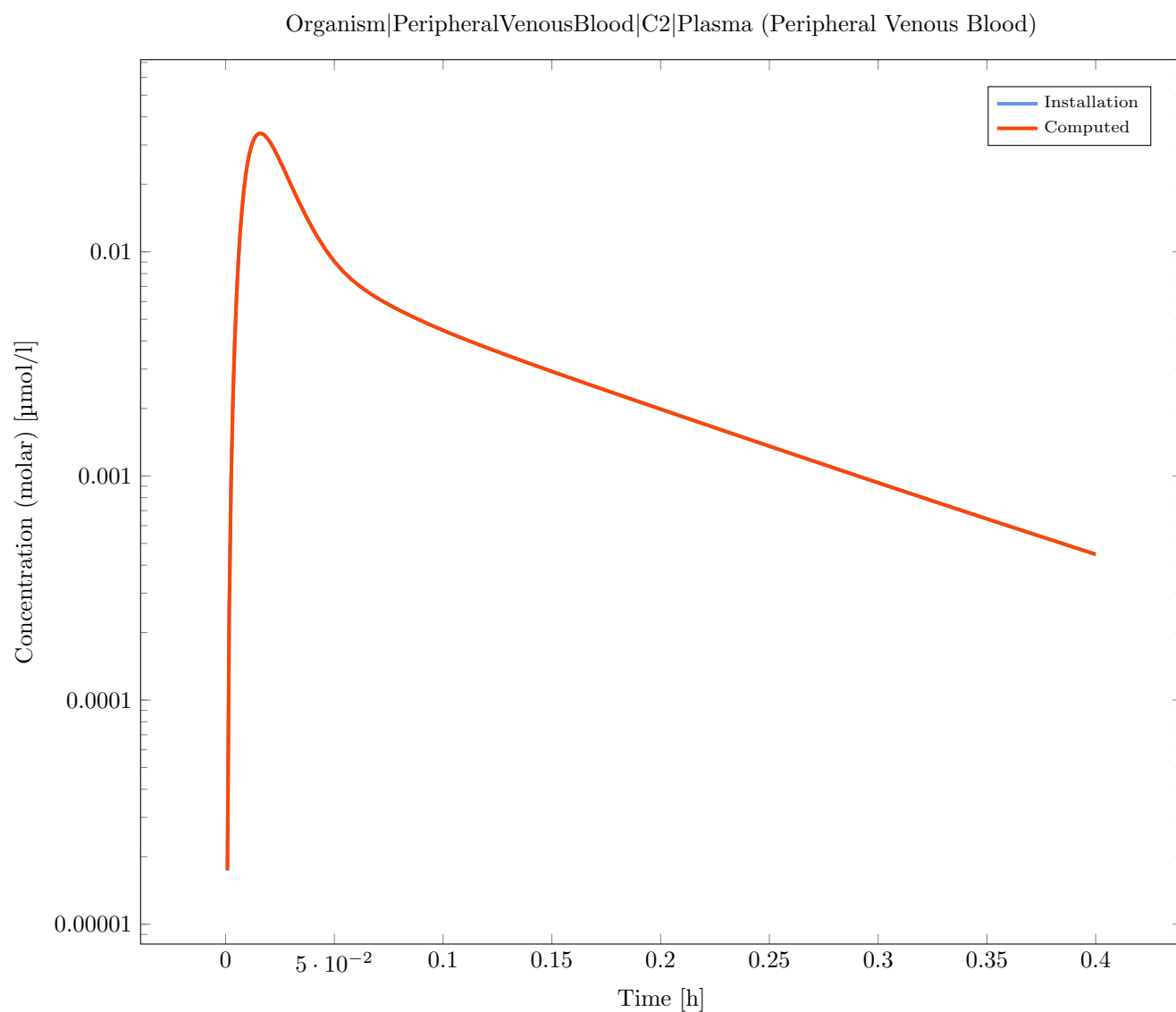


Figure 1.10

**Output Path:** Organism|PeripheralVenousBlood|Uncompetitive\_CYP3A4\_1|Plasma (Peripheral Venous Blood)

Deviation: 3.69E-4

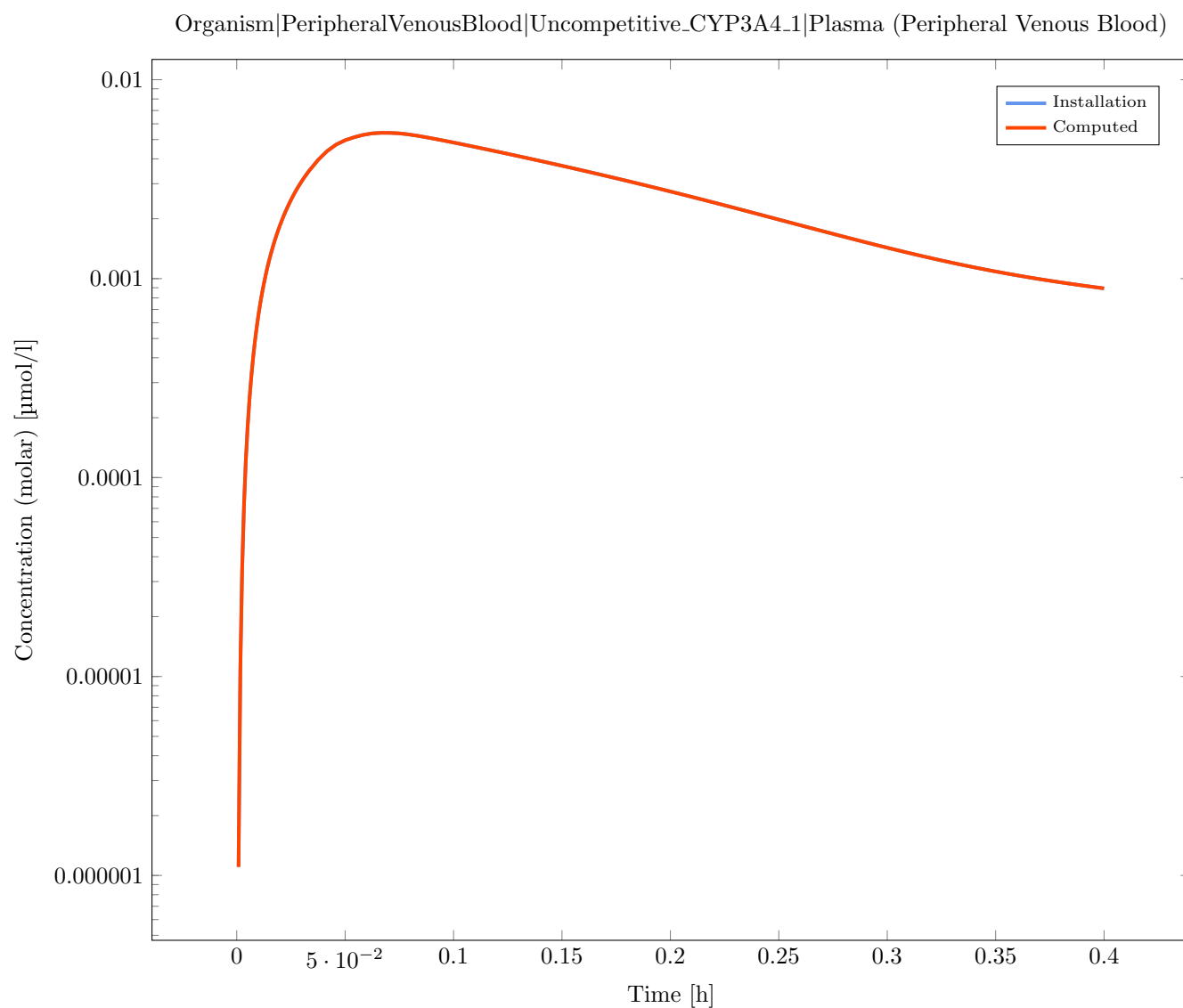


Figure 1.11

**Output Path:** Organism|PeripheralVenousBlood|Uncompetitive\_CYP3A4.2|Plasma (Peripheral Venous Blood)

Deviation: 3.69E-4

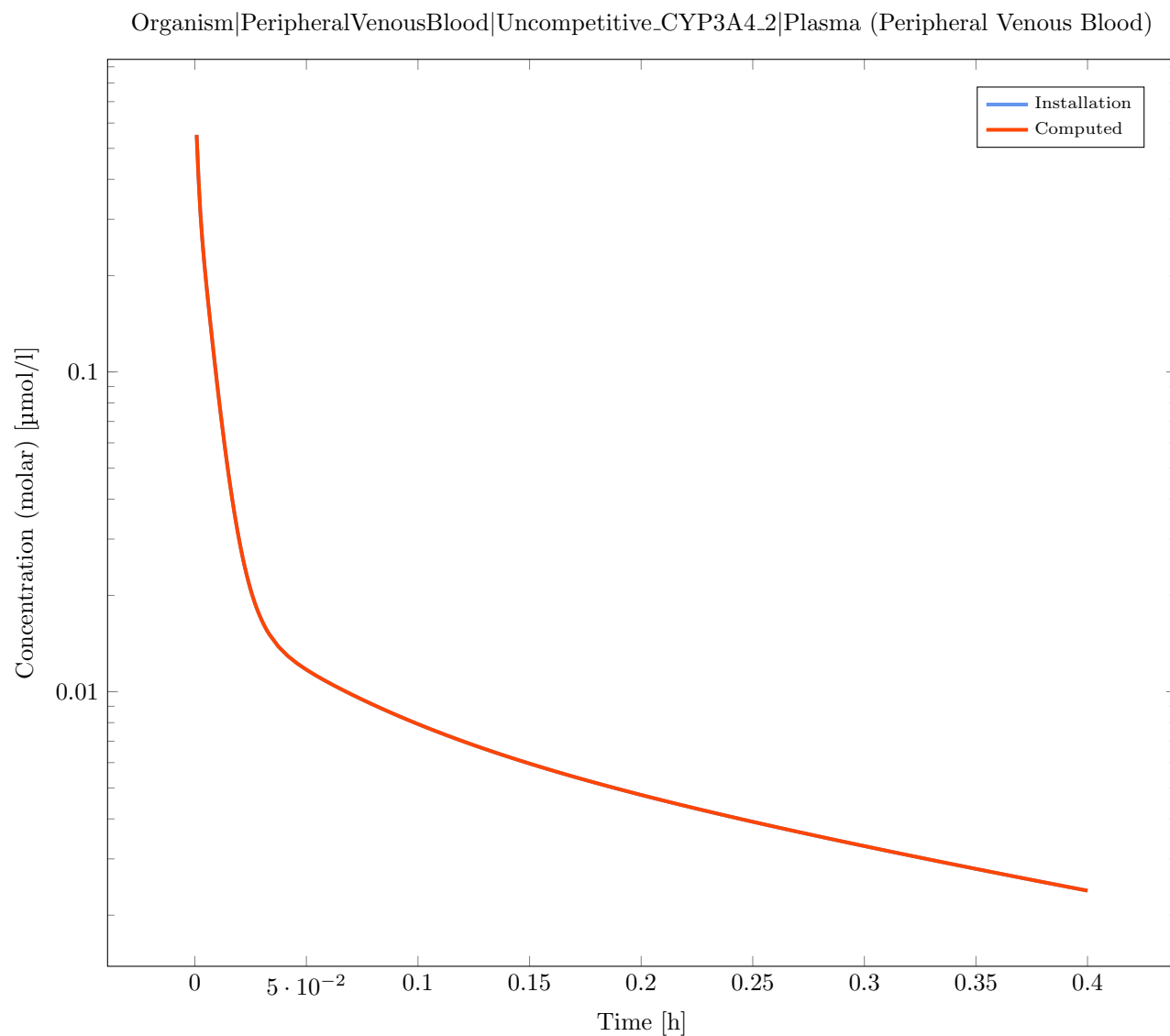


Figure 1.12

**Simulation:** DDI\_MultipleCombinations-03\_MM\_Noncompetitive\_Noncompetitive

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 3.58E-4



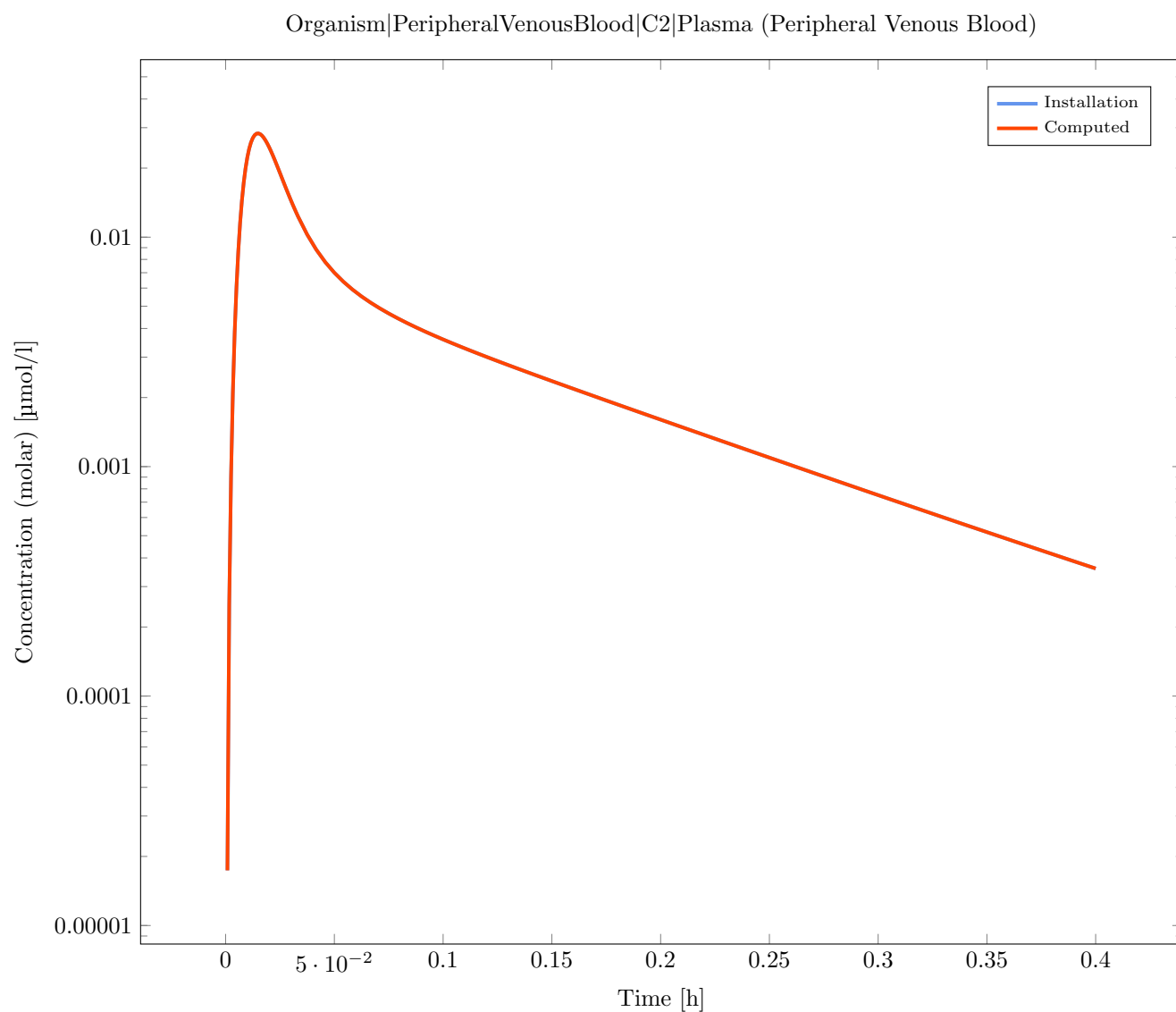


Figure 1.13

**Output Path:** Organism|PeripheralVenousBlood|Noncompetitive\_CYP3A4\_1|Plasma (Peripheral Venous Blood)

Deviation: 3.68E-4

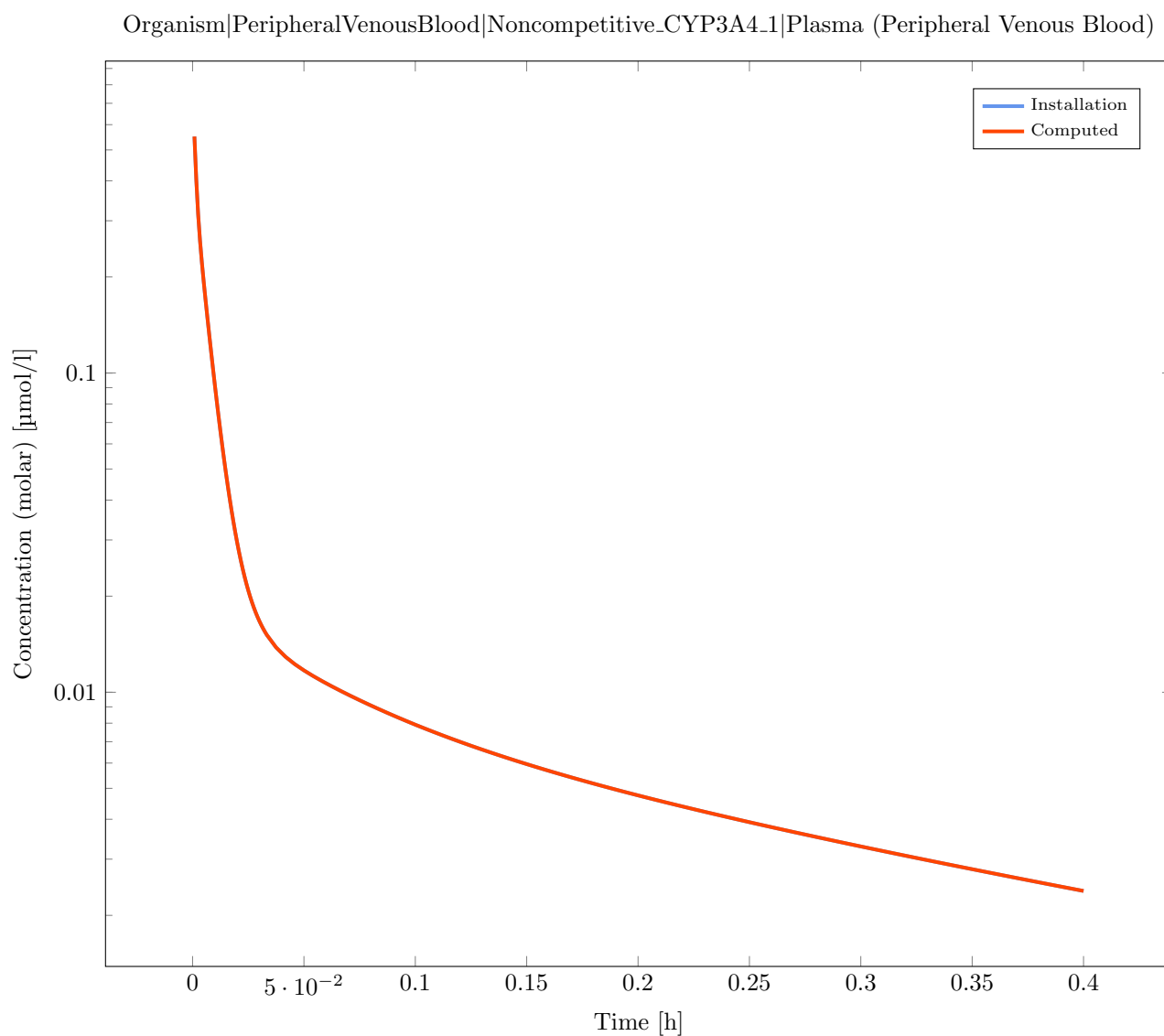


Figure 1.14

**Output Path:** Organism|PeripheralVenousBlood|Noncompetitive\_CYP3A4\_2|Plasma (Peripheral Venous Blood)

Deviation: 3.06E-4

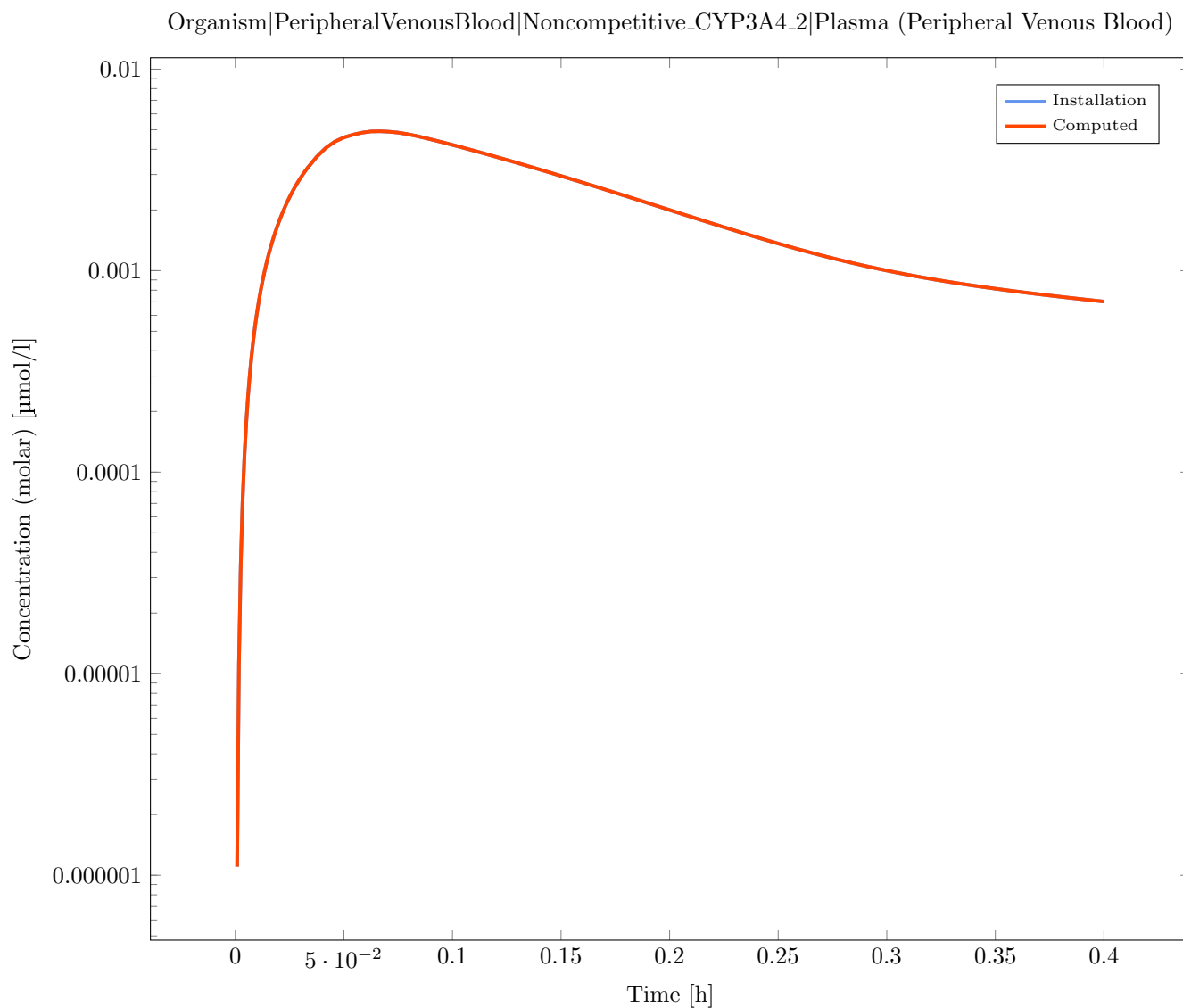


Figure 1.15

**Simulation:** DDI\_MultipleCombinations-04\_MM\_Mixed\_Mixed

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 3.82E-4

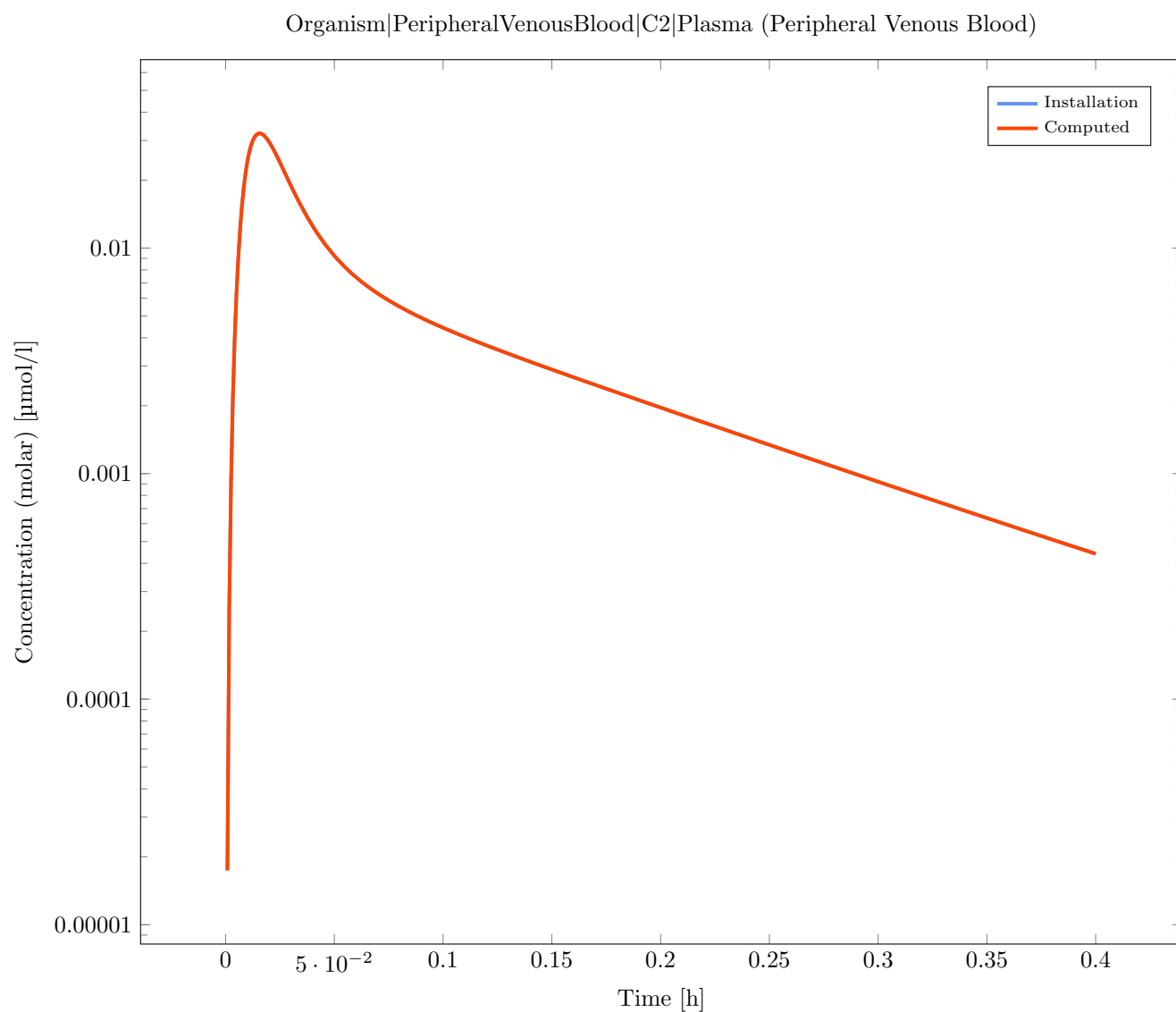


Figure 1.16

**Output Path:** Organism|PeripheralVenousBlood|Mixed\_CYP3A4\_1|Plasma (Peripheral Venous Blood)

Deviation: 3.16E-4

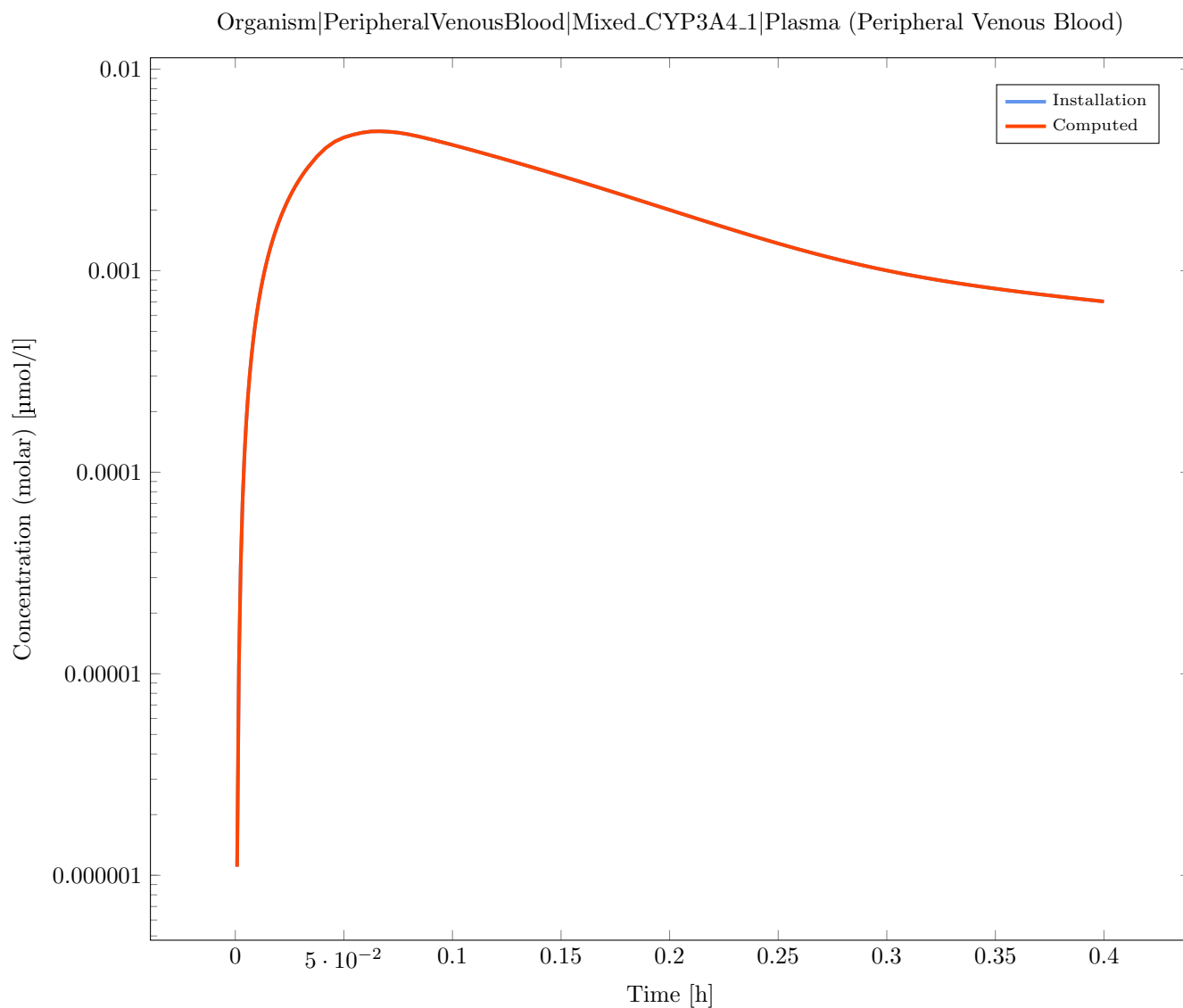


Figure 1.17

**Output Path:** Organism|PeripheralVenousBlood|Mixed\_CYP3A4.2|Plasma (Peripheral Venous Blood)

Deviation: 3.68E-4

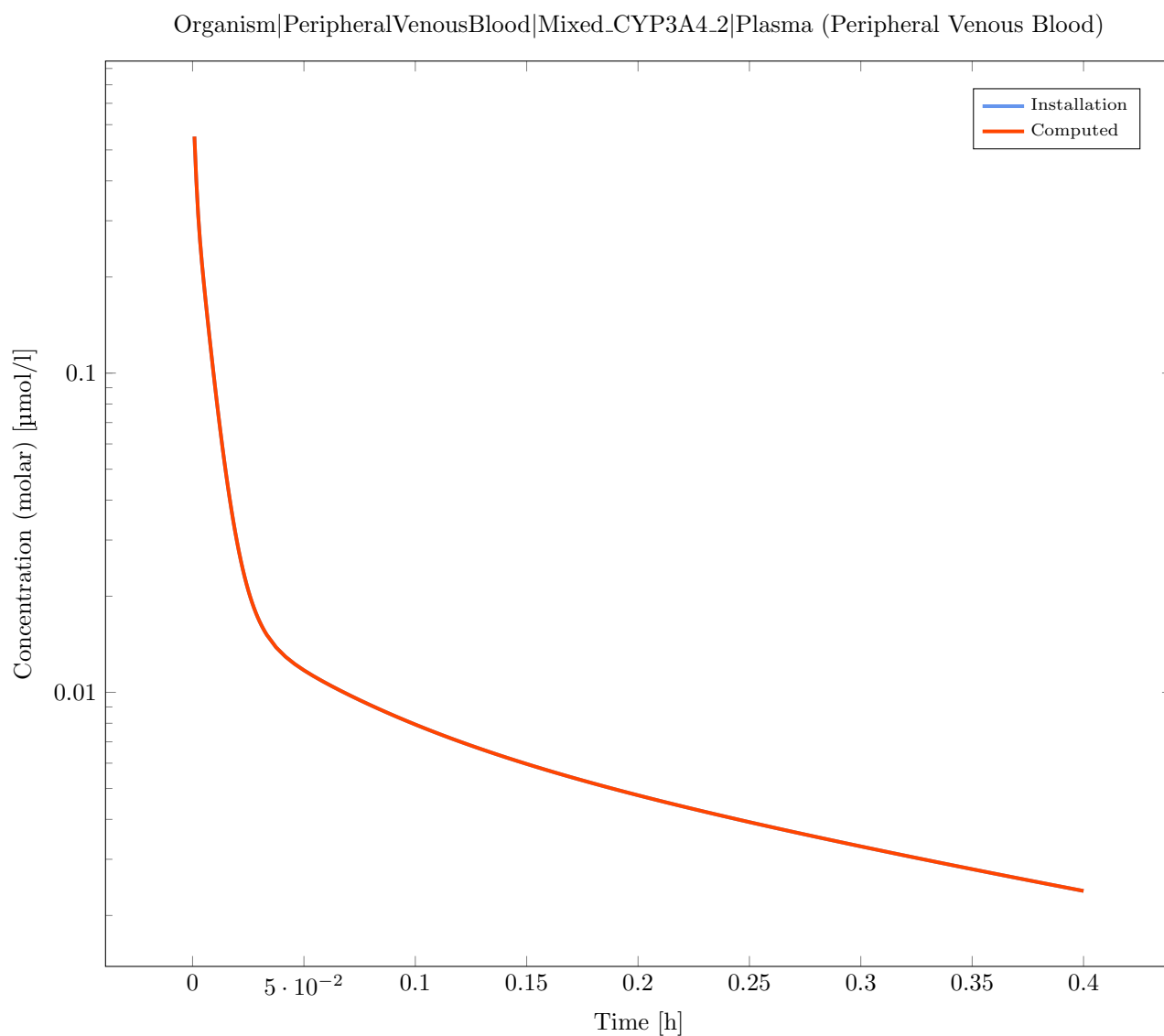


Figure 1.18

**Simulation:** DDI\_MultipleCombinations-05\_MM\_Mechanismbased\_Mechanismbased

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 3.69E-4

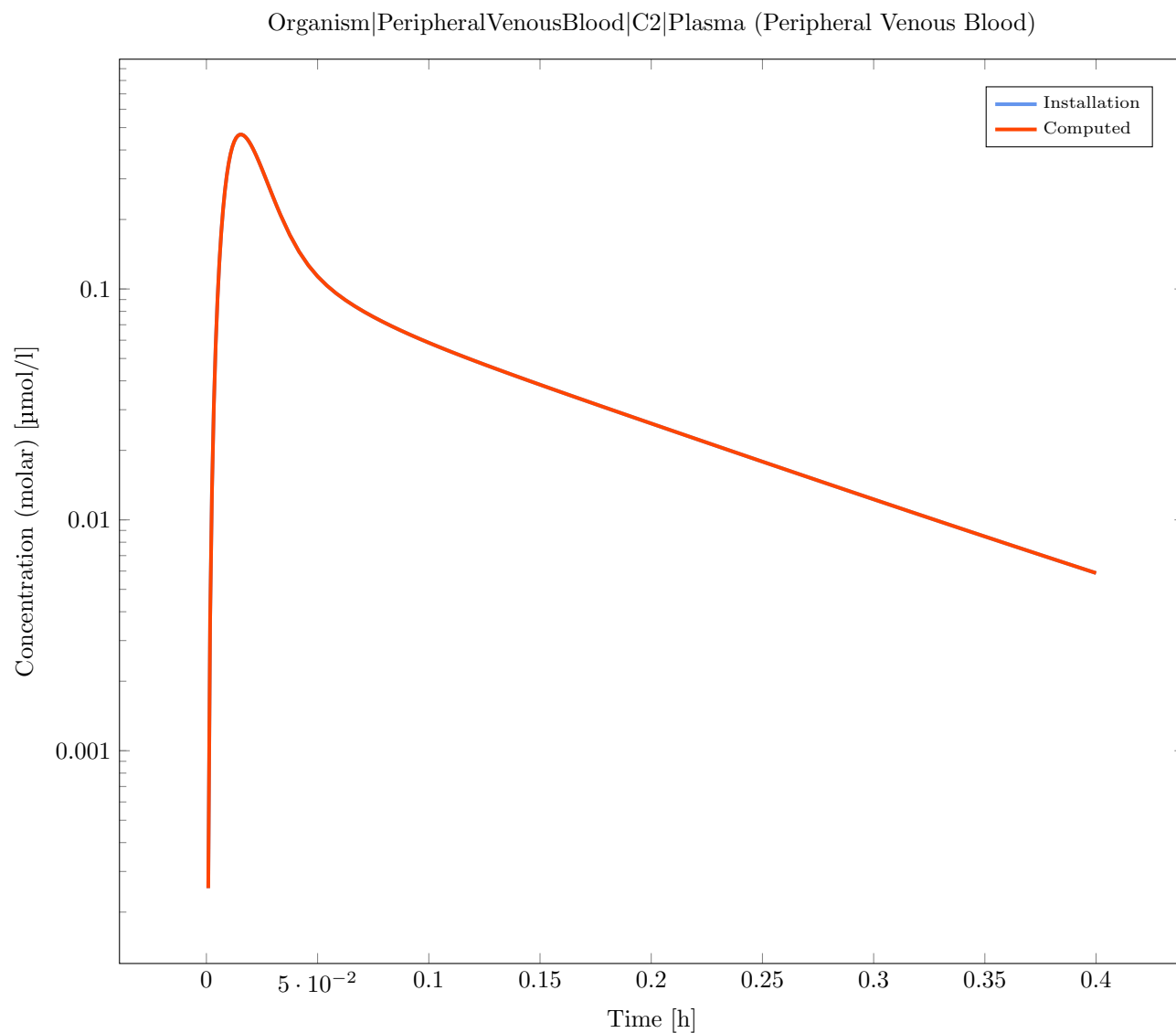


Figure 1.19

**Output Path:** Organism|PeripheralVenousBlood|Clarithromycin|Plasma (Peripheral Venous Blood)  
Deviation: 2.03E-4

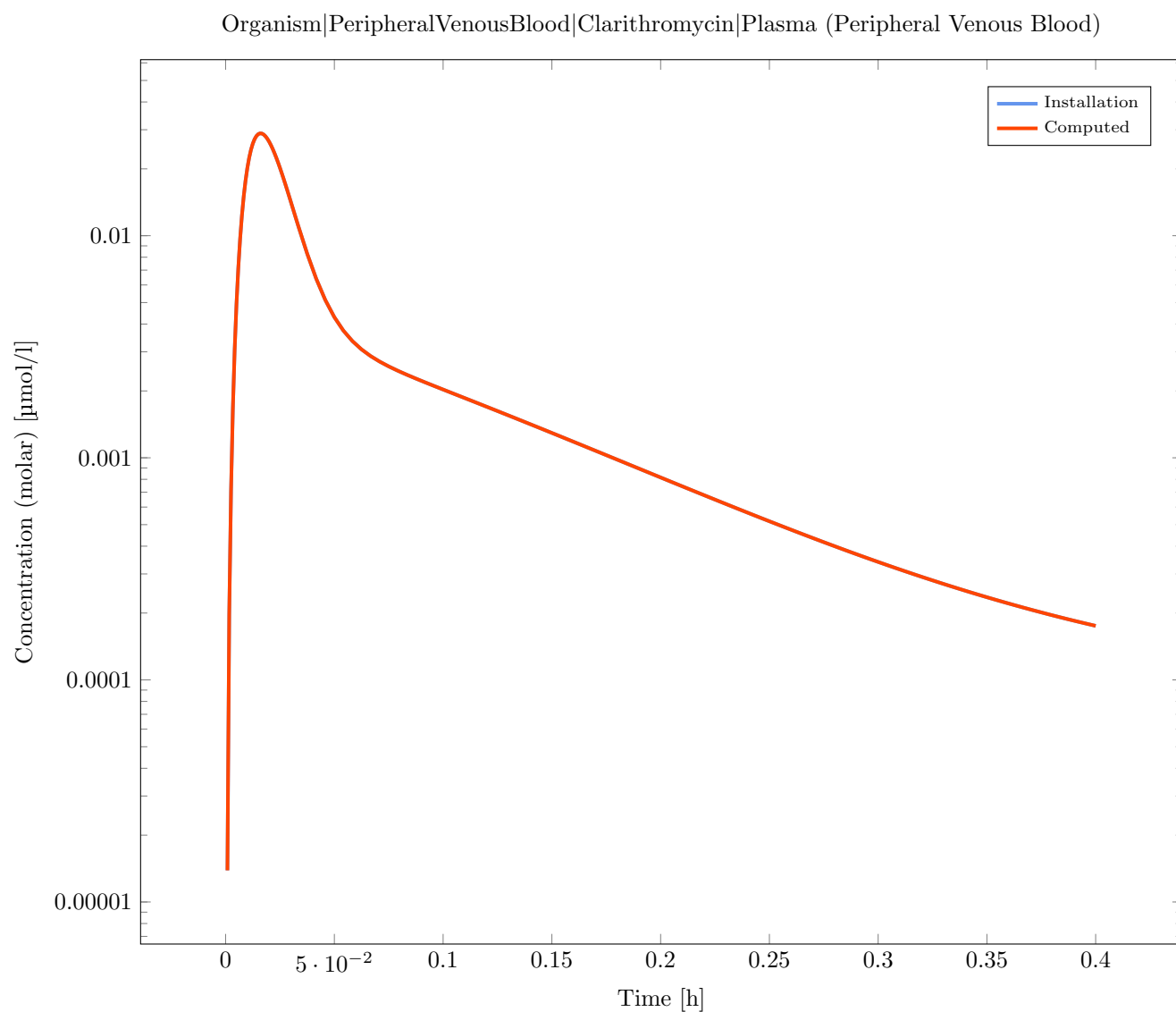


Figure 1.20

**Output Path:** Organism|PeripheralVenousBlood|Erythromycin|Plasma (Peripheral Venous Blood)  
Deviation: 3.61E-4



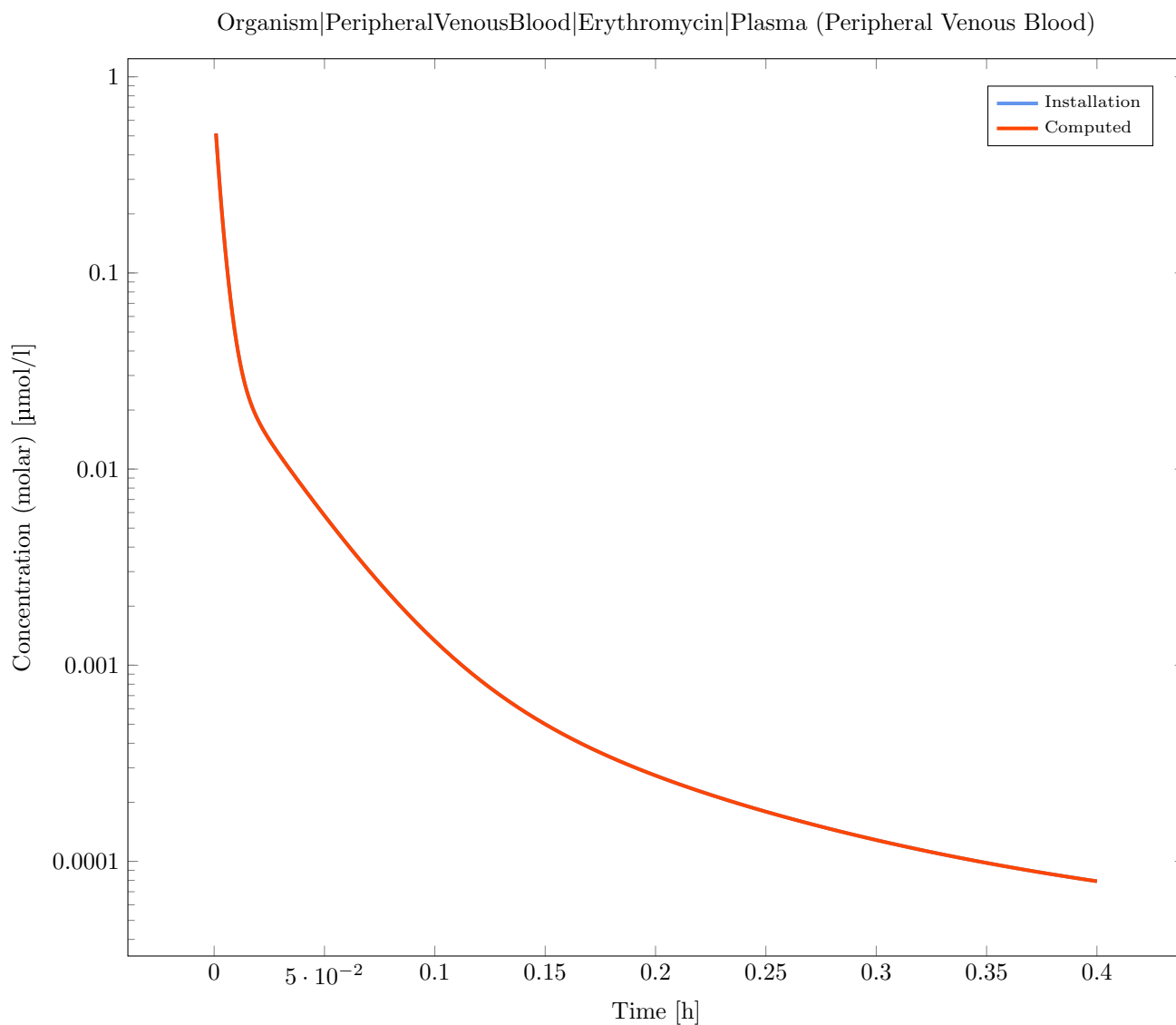


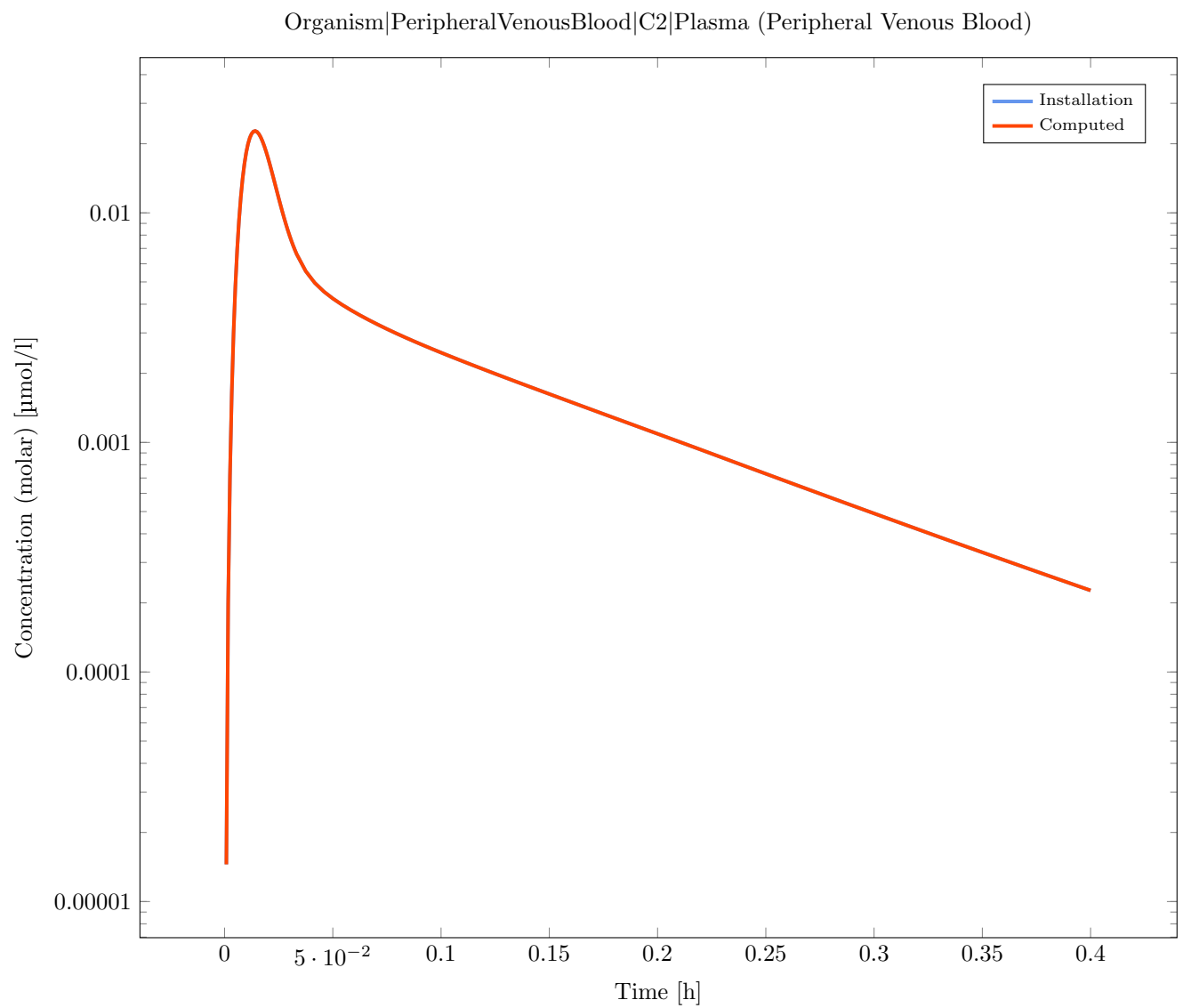
Figure 1.21

**Simulation:** DDI\_MultipleCombinations-06\_MM\_Induction\_Induction

Result of the validation: Valid

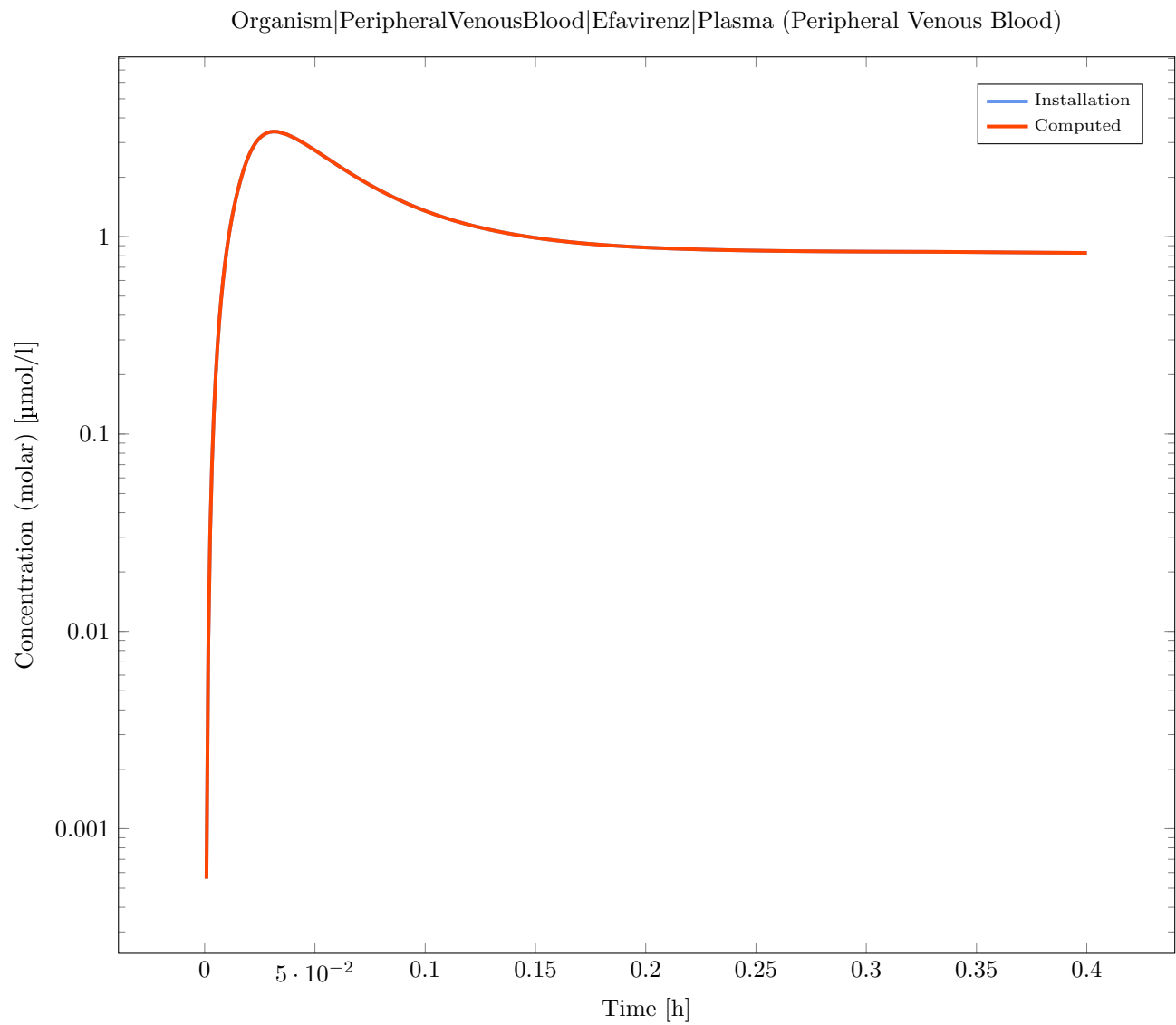
**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 3.14E-4

**Figure 1.22**

**Output Path:** Organism|PeripheralVenousBlood|Efavirenz|Plasma (Peripheral Venous Blood)

Deviation: 1.65E-4

**Figure 1.23**

**Output Path:** Organism|PeripheralVenousBlood|Rifampicin|Plasma (Peripheral Venous Blood)  
Deviation: 3.68E-4

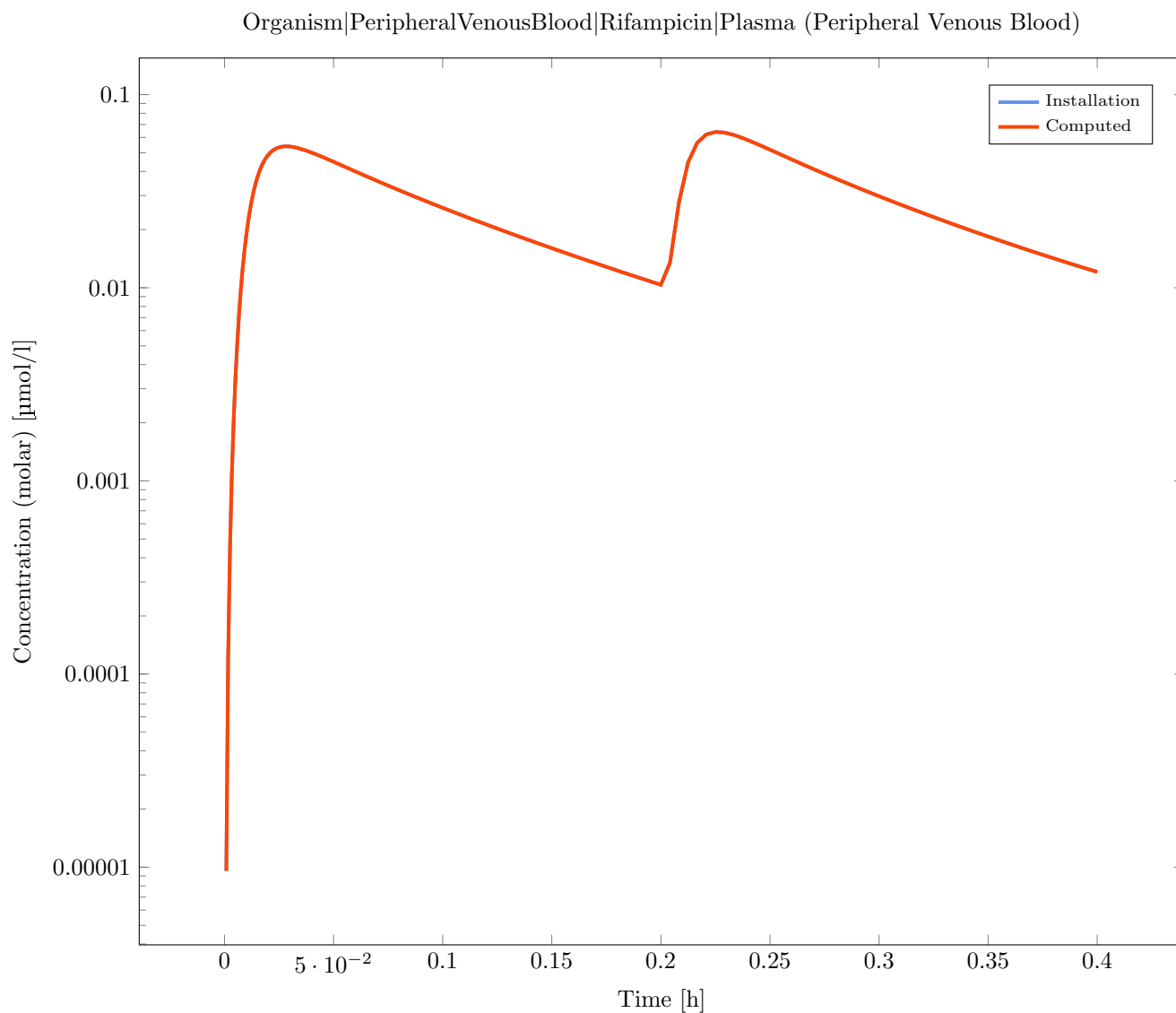


Figure 1.24

**Simulation:** DDI\_MultipleCombinations-07\_MM\_Competitive\_Competitive\_Mechanismbased\_Mechanismbased

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 3.29E-4

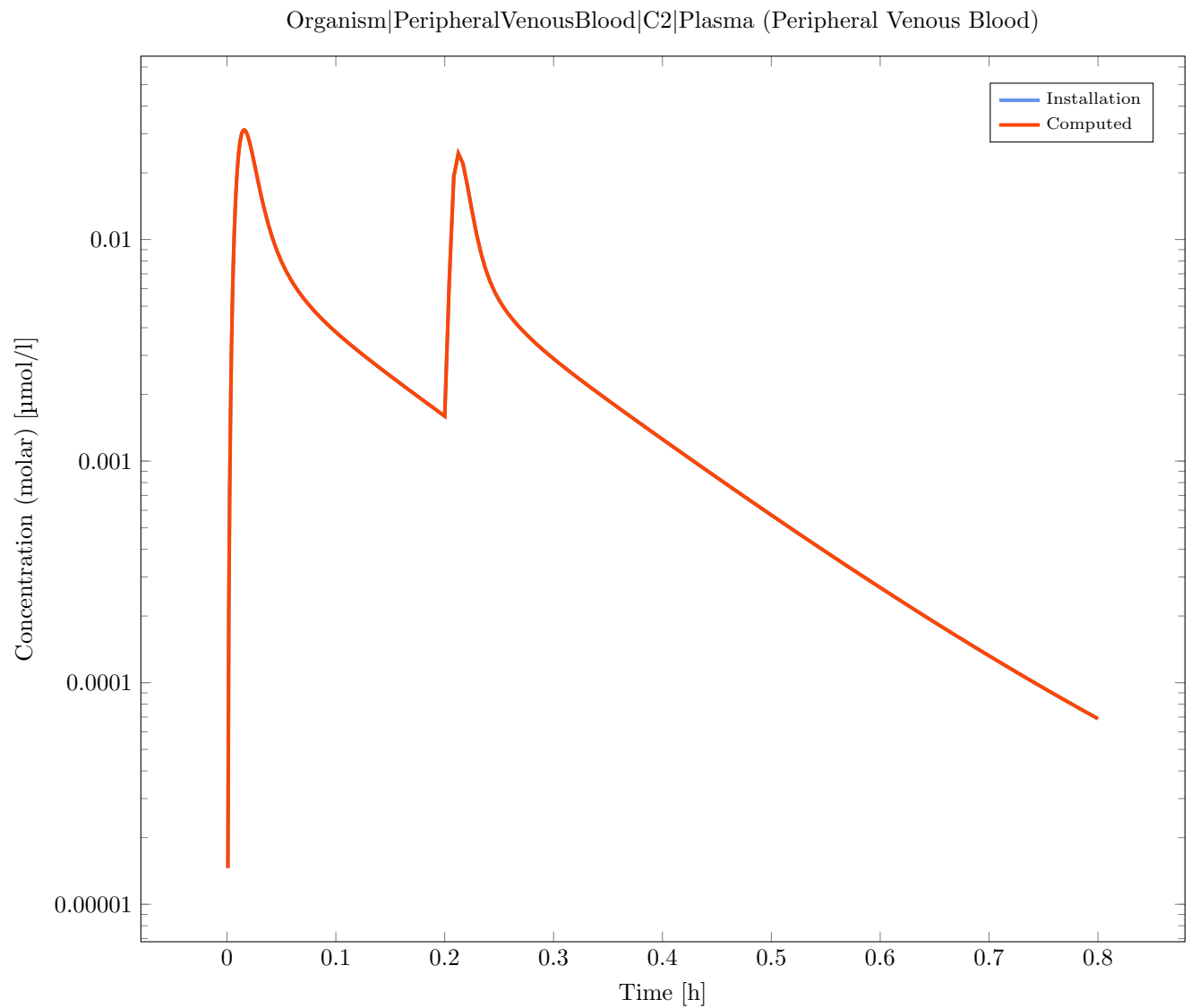


Figure 1.25

**Output Path:** Organism|PeripheralVenousBlood|Clarithromycin|Plasma (Peripheral Venous Blood)  
Deviation: 2.15E-4

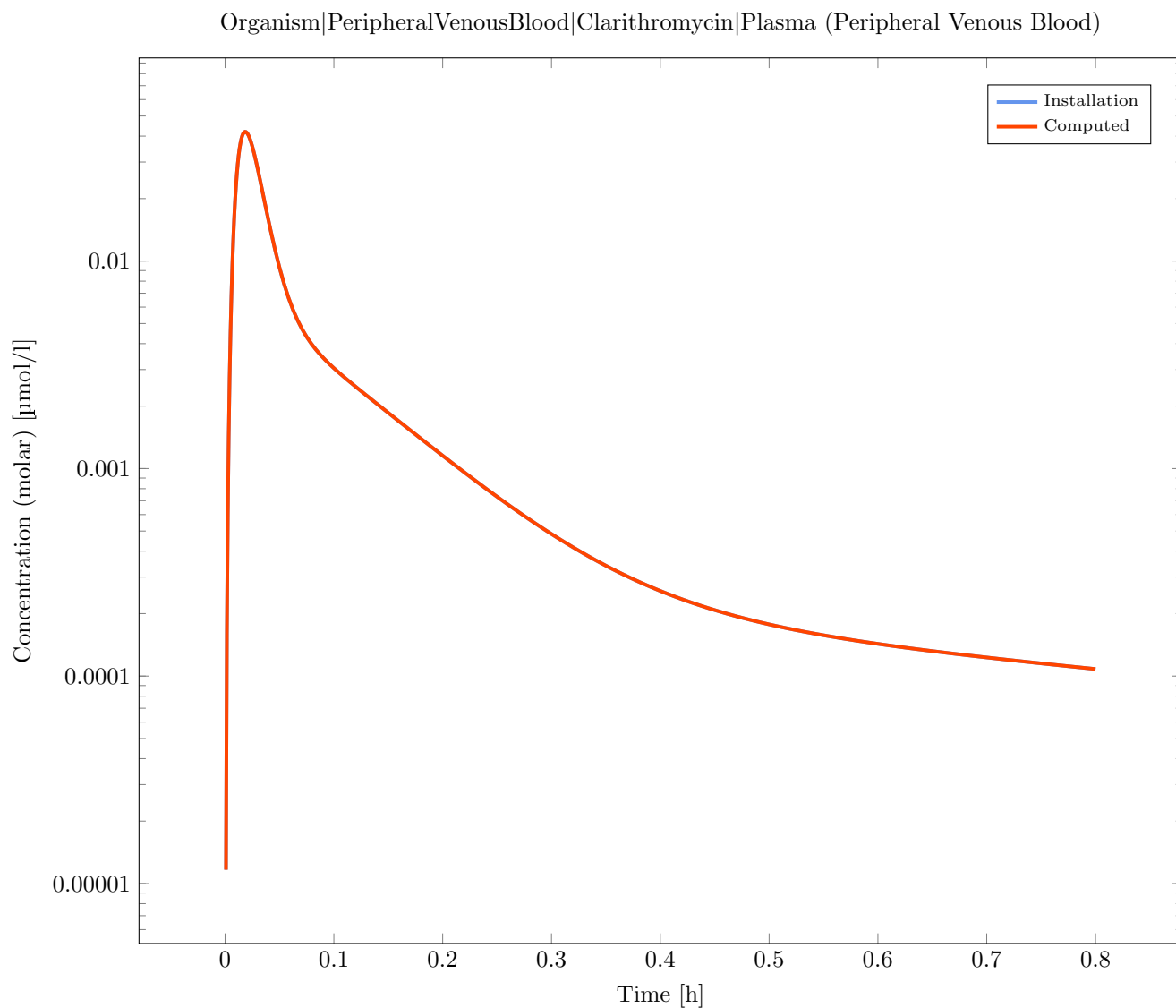
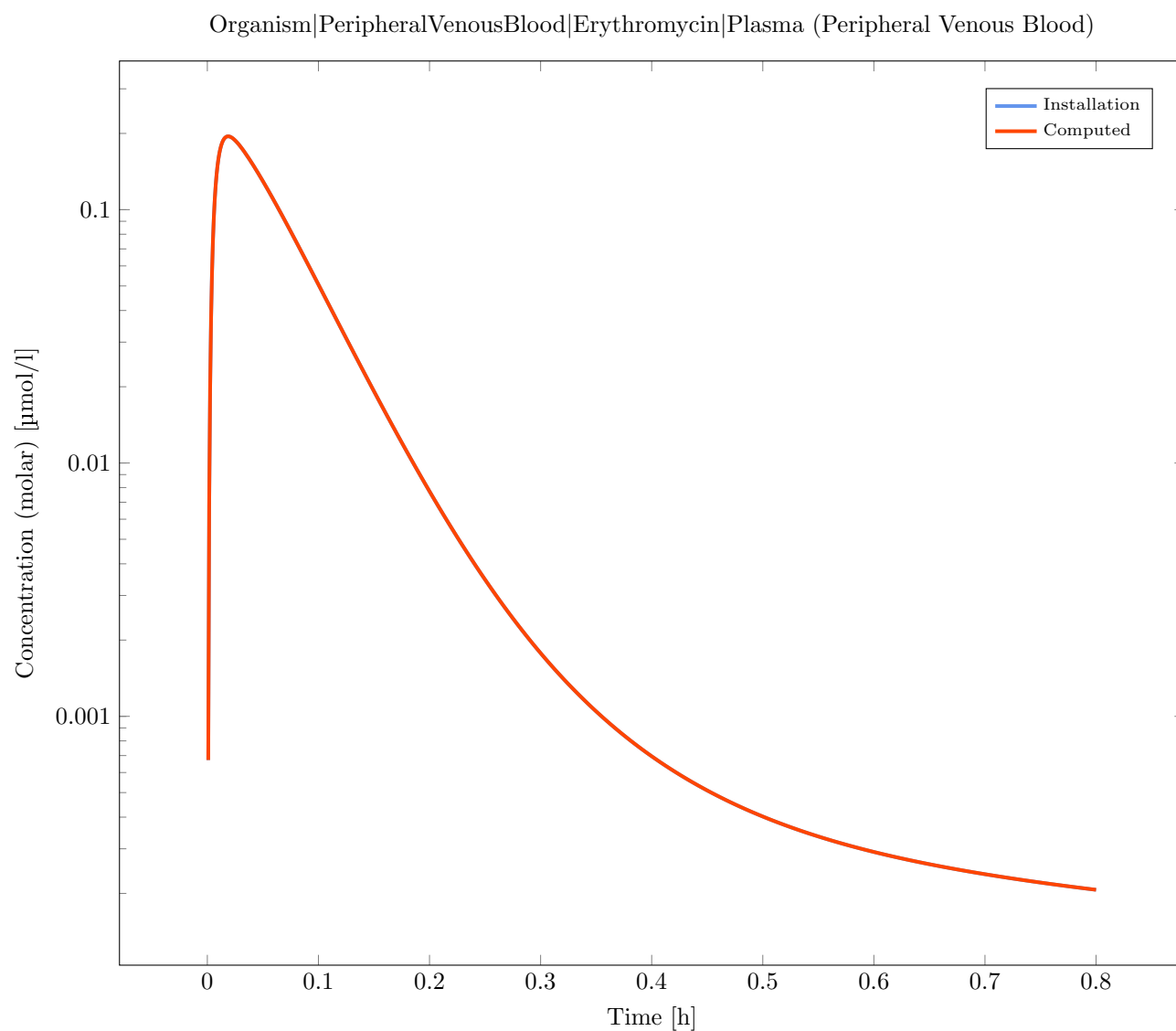


Figure 1.26

**Output Path:** Organism|PeripheralVenousBlood|Erythromycin|Plasma (Peripheral Venous Blood)  
Deviation: 6.44E-4

**Figure 1.27**

**Output Path:** Organism|PeripheralVenousBlood|Itraconazole|Plasma (Peripheral Venous Blood)  
Deviation: 3.27E-4

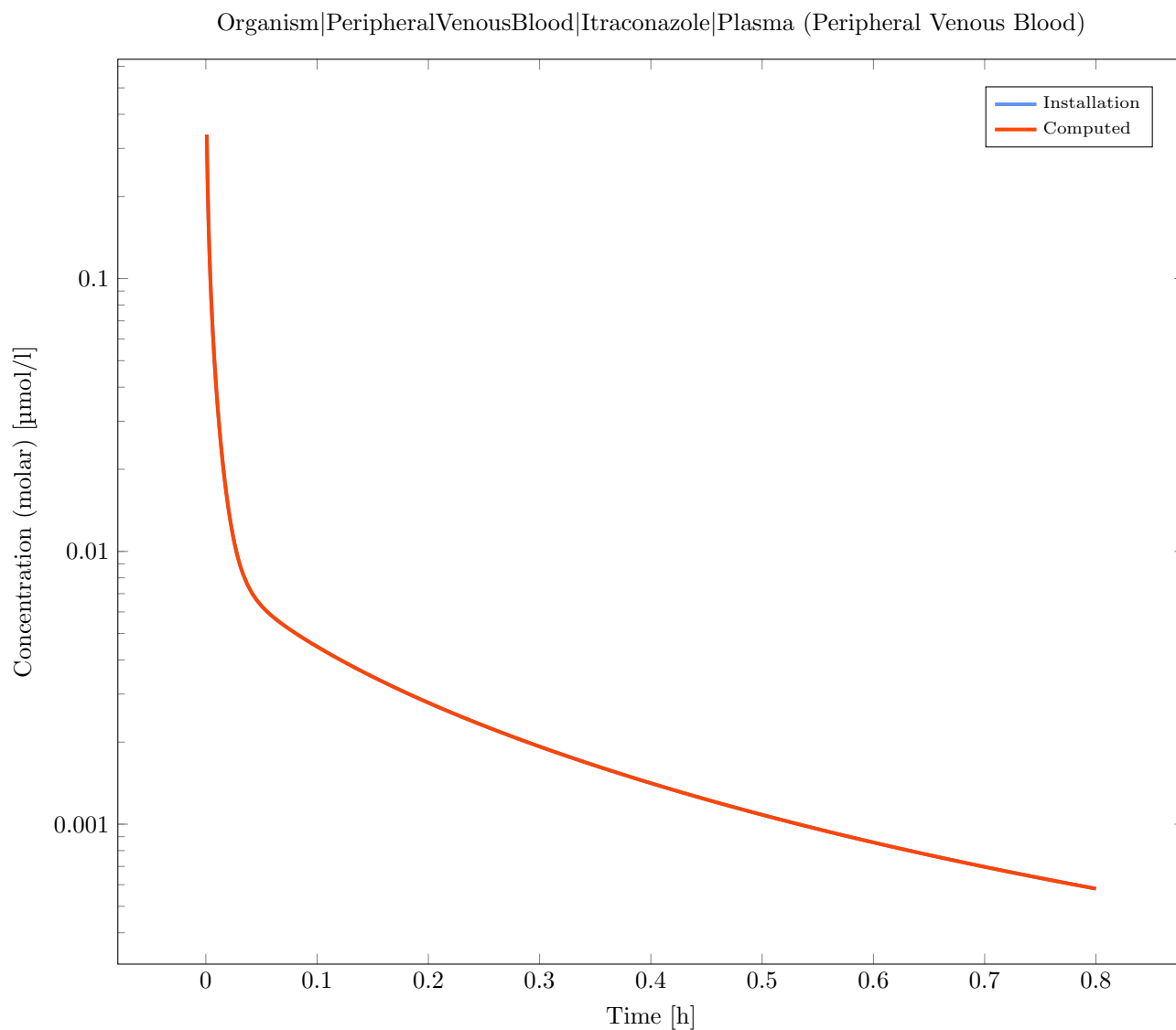


Figure 1.28

**Output Path:** Organism|PeripheralVenousBlood|Rifampicin|Plasma (Peripheral Venous Blood)  
Deviation: 4.68E-4



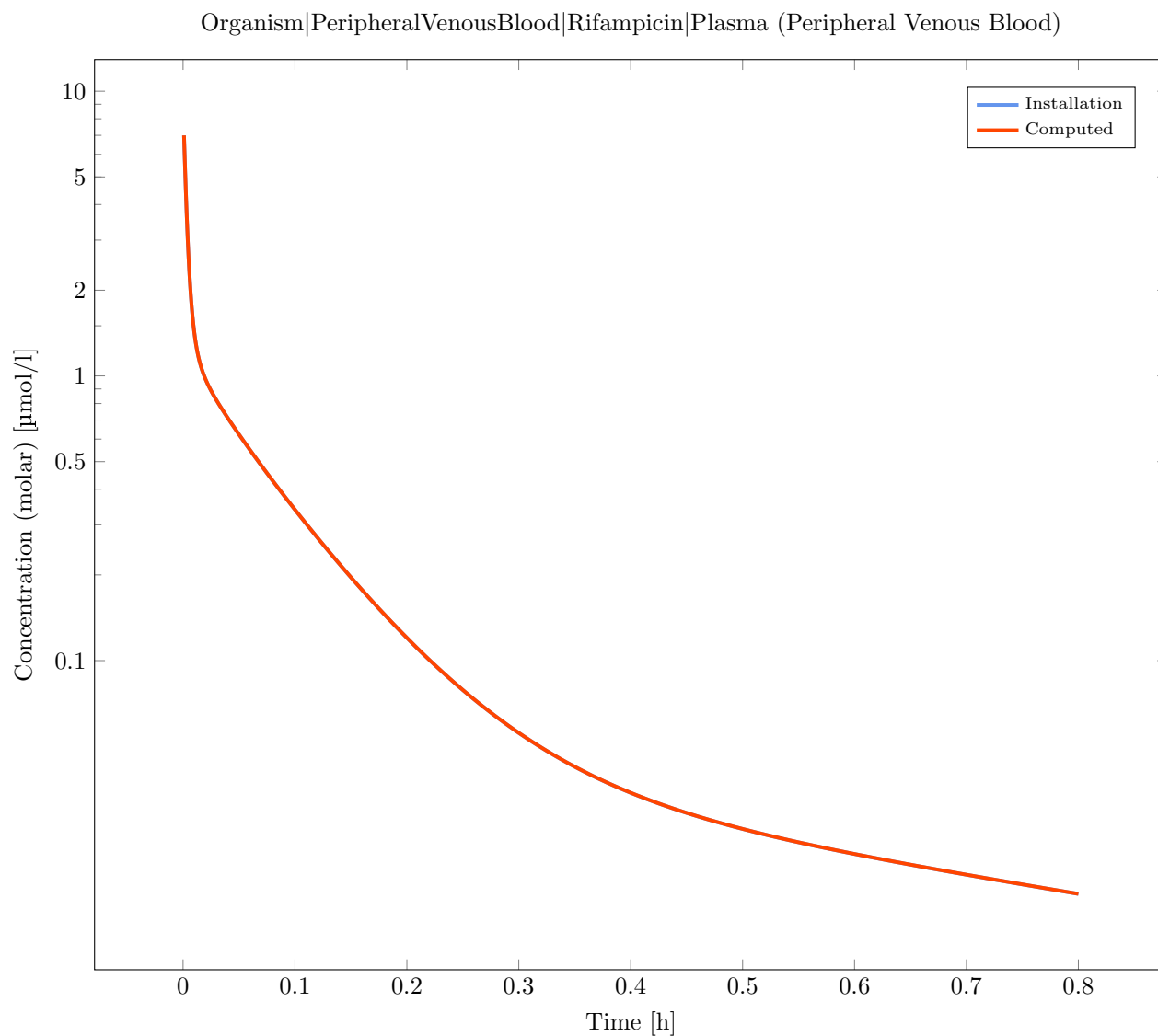


Figure 1.29

**Simulation:** DDI\_MultipleCombinations-08\_MM\_Uncompetitive\_Uncompetitive\_Mechanismbased\_-Mechanismbased

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 6.00E-4

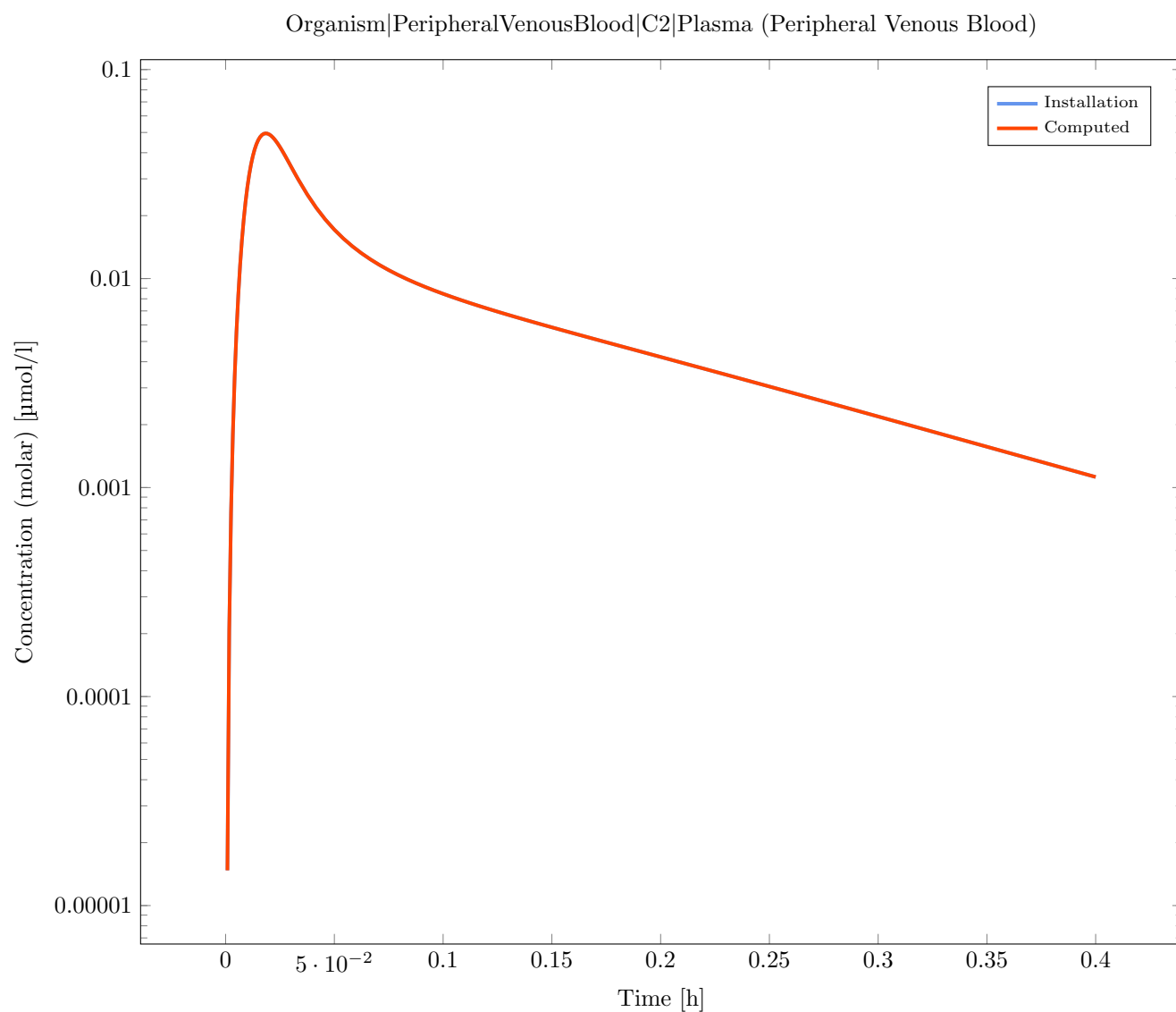
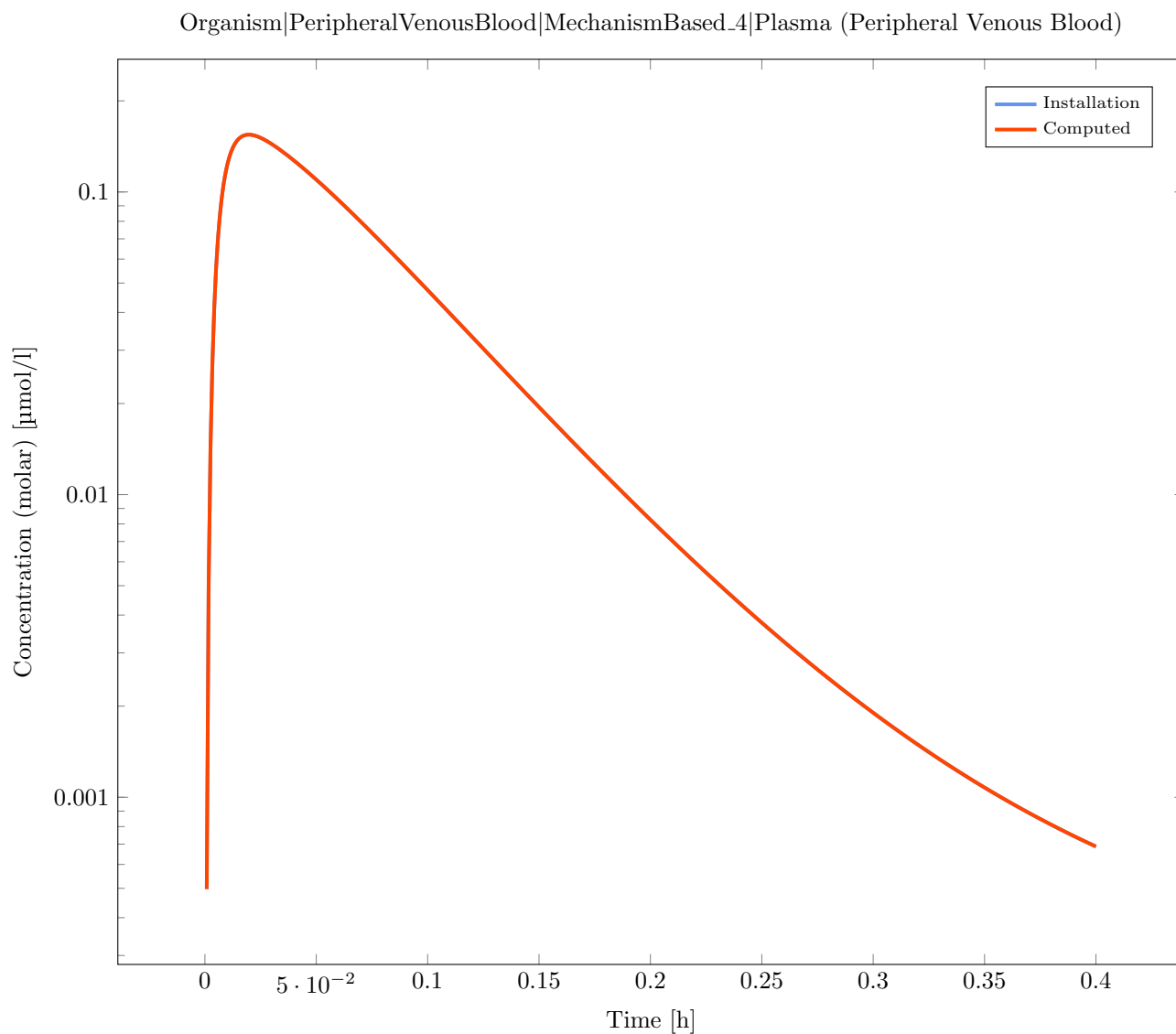


Figure 1.30

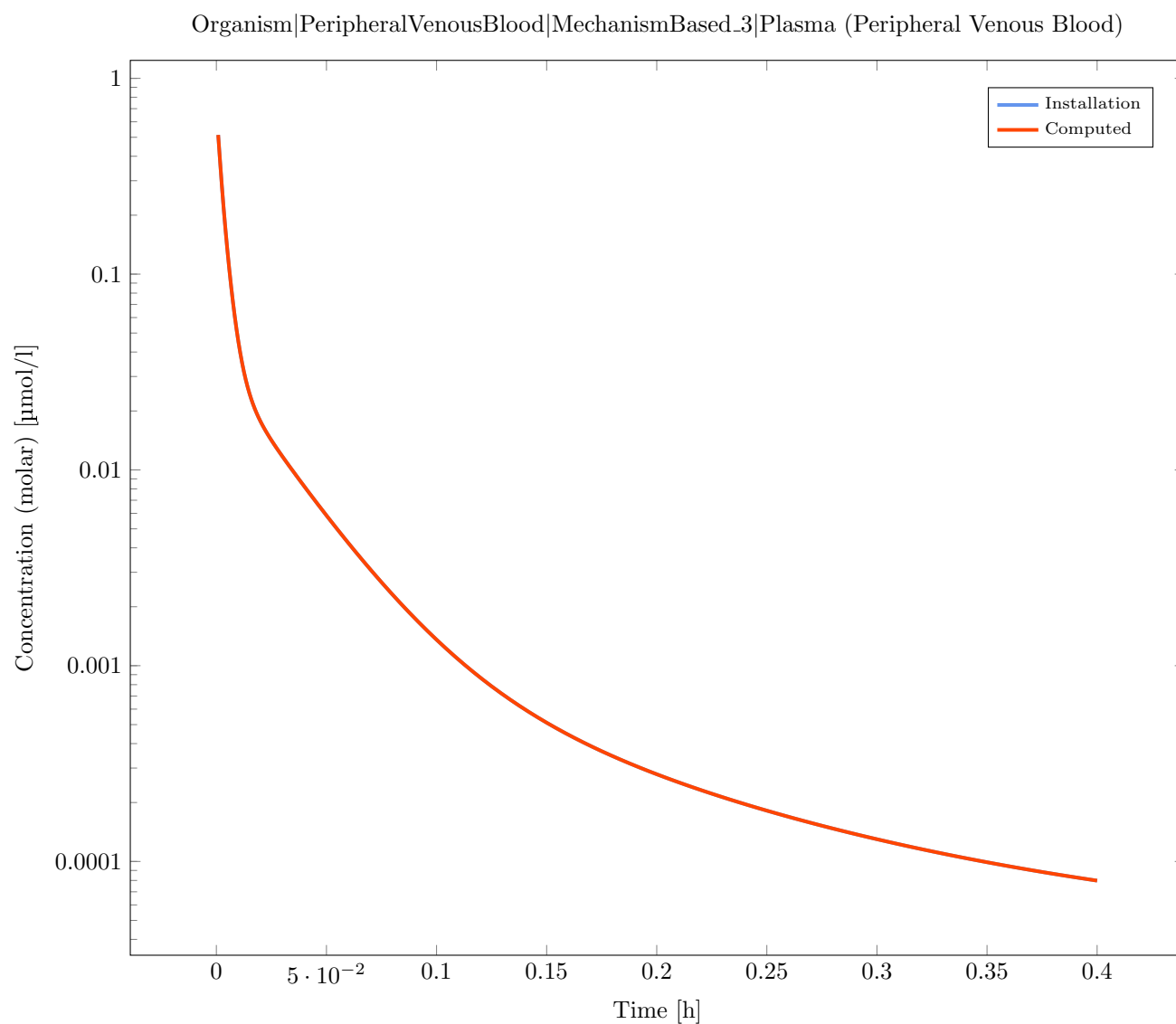
**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_4|Plasma (Peripheral Venous Blood)

Deviation: 6.00E-4

**Figure 1.31**

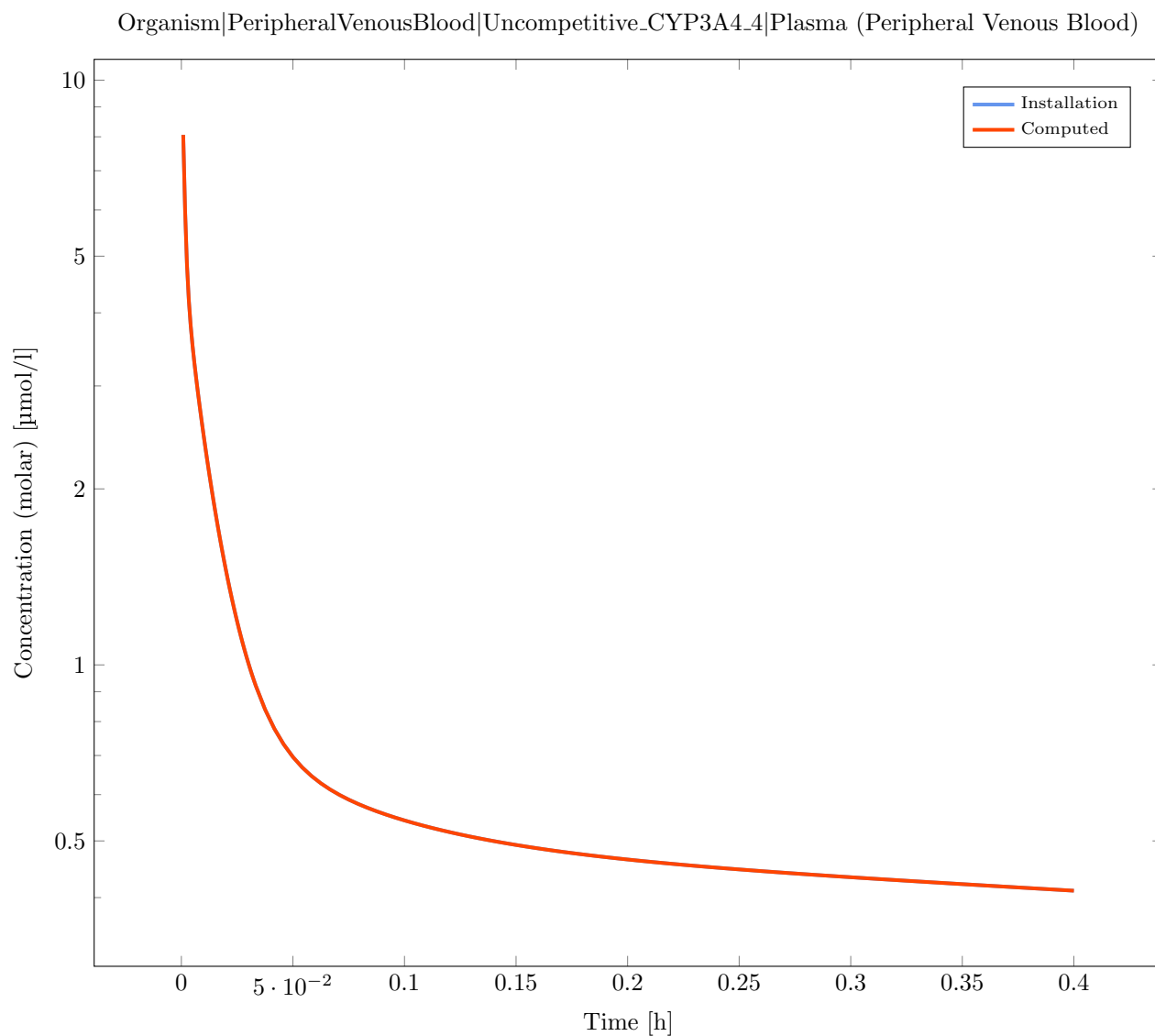
**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_3|Plasma (Peripheral Venous Blood)

Deviation: 3.66E-4

**Figure 1.32**

**Output Path:** Organism|PeripheralVenousBlood|Uncompetitive\_CYP3A4\_4|Plasma (Peripheral Venous Blood)

Deviation: 5.77E-5

**Figure 1.33**

**Output Path:** Organism|PeripheralVenousBlood|Uncompetitive\_CYP3A4\_3|Plasma (Peripheral Venous Blood)

Deviation: 1.05E-4

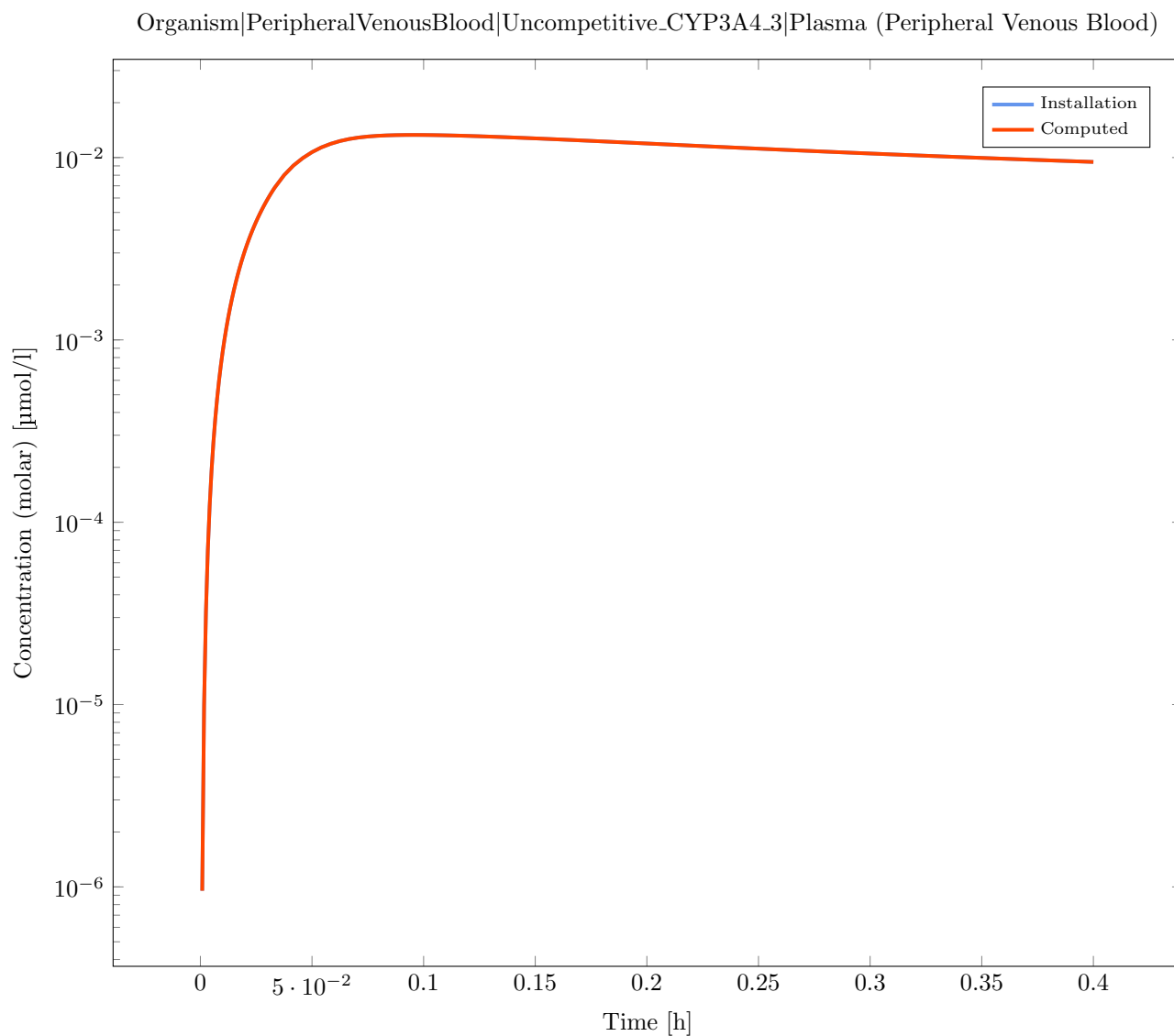


Figure 1.34

**Simulation:** DDI\_MultipleCombinations-09\_MM\_Noncompetitive\_Noncompetitive\_Mechanismbased\_-Mechanismbased

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 3.07E-4

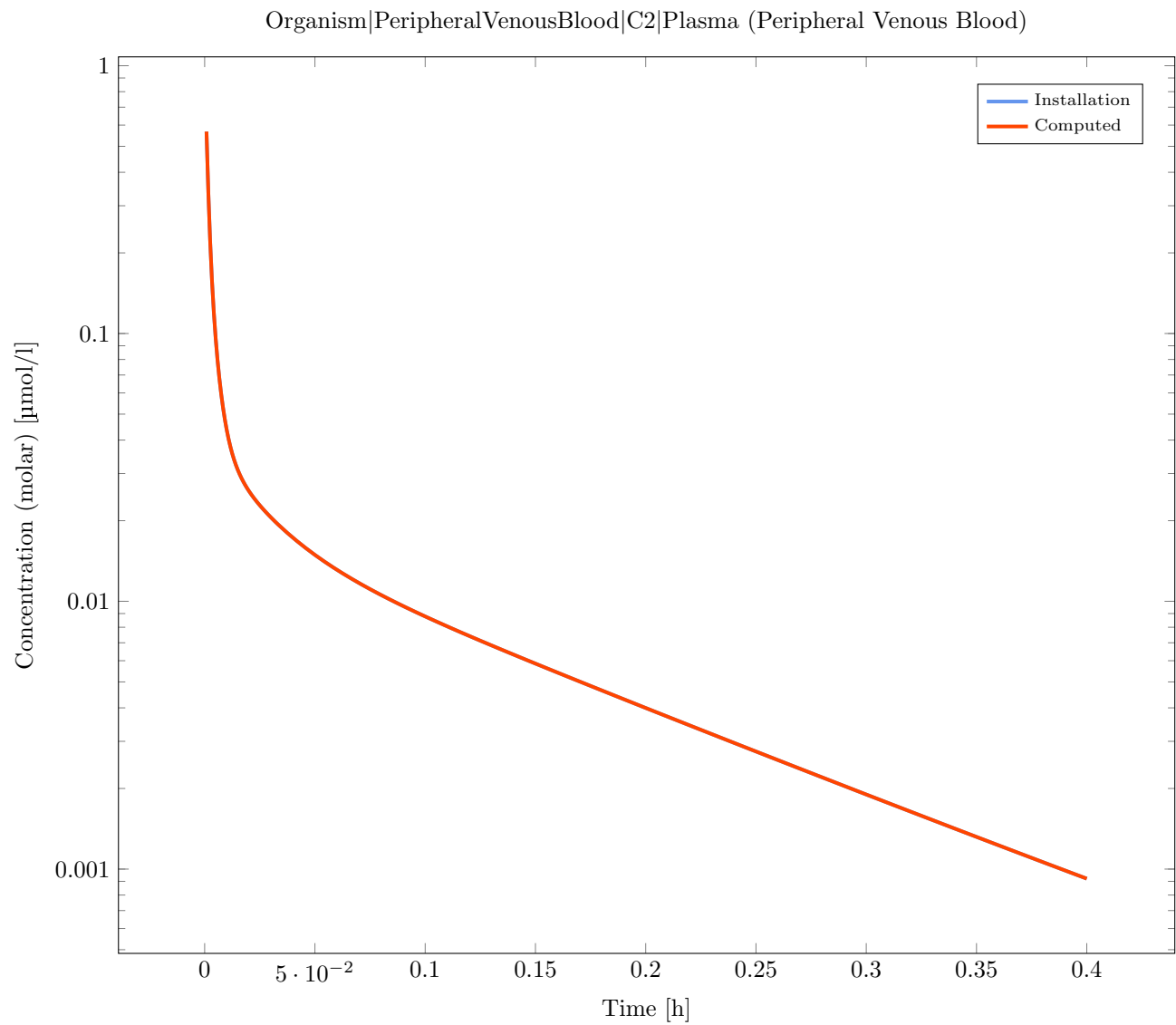


Figure 1.35

**Output Path:** Organism|PeripheralVenousBlood|Clarithromycin|Plasma (Peripheral Venous Blood)  
Deviation: 2.42E-4

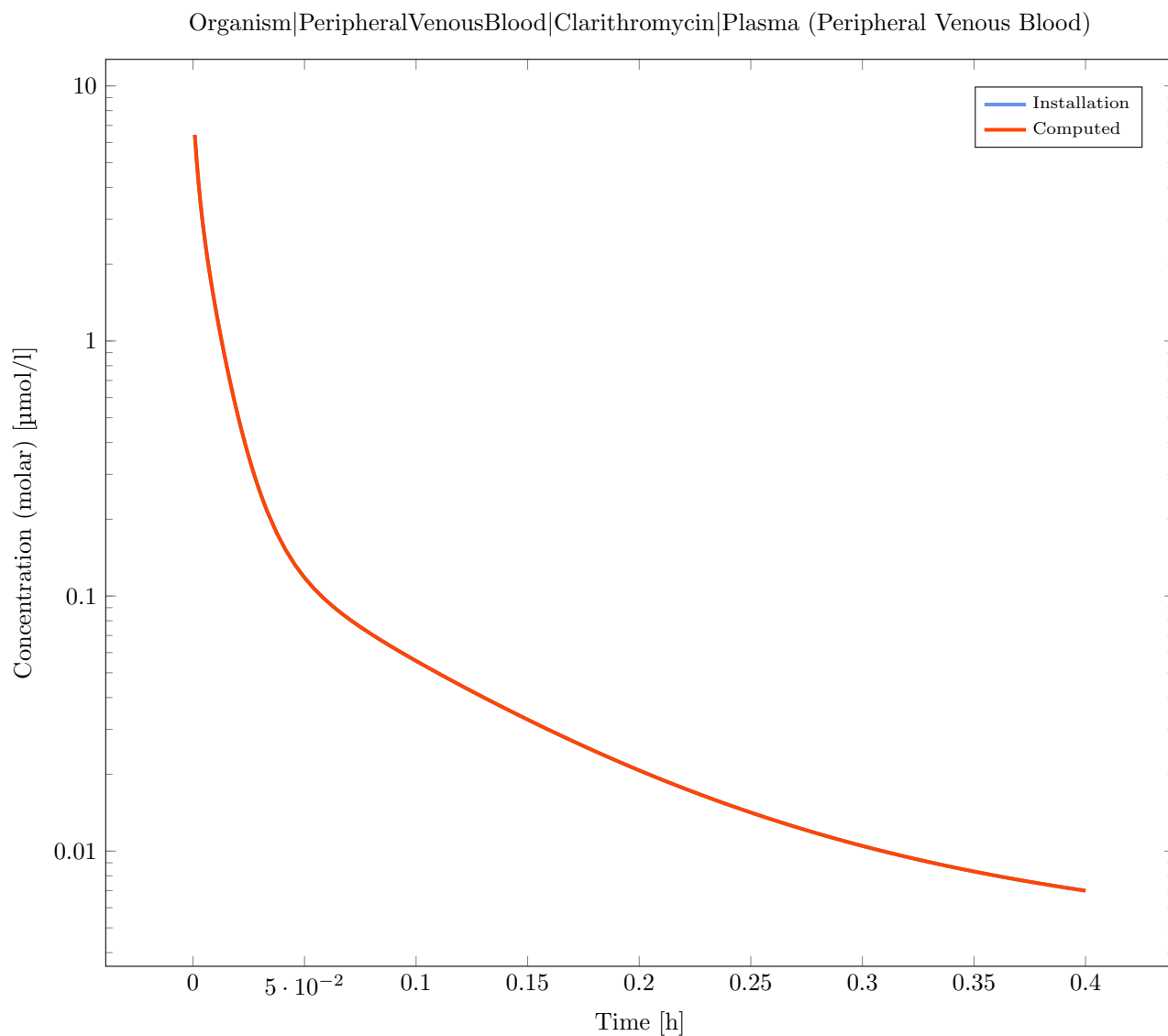
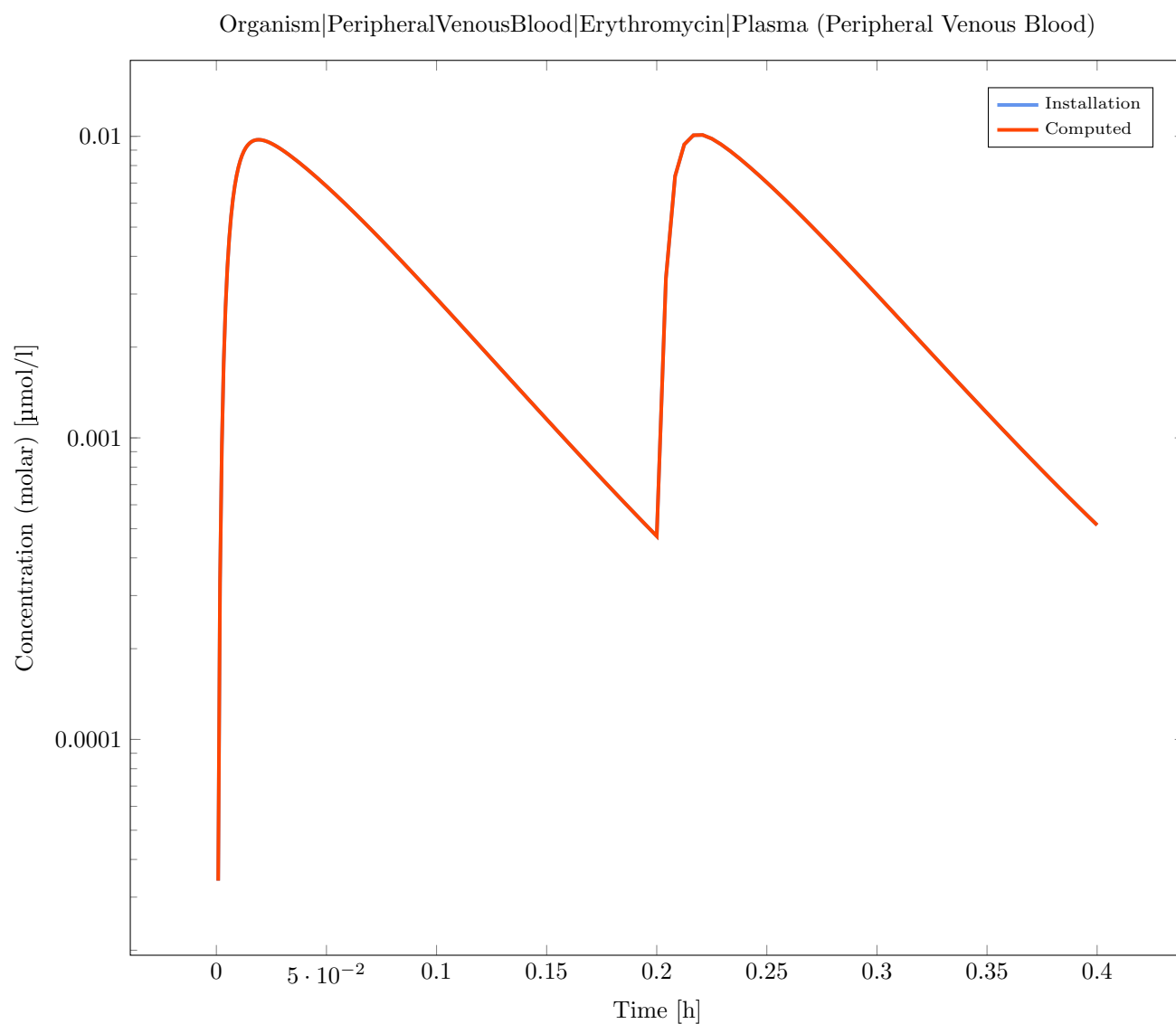


Figure 1.36

**Output Path:** Organism|PeripheralVenousBlood|Erythromycin|Plasma (Peripheral Venous Blood)  
Deviation: 5.50E-4



**Figure 1.37**

**Output Path:** Organism|PeripheralVenousBlood|Noncompetitive\_CYP3A4\_1|Plasma (Peripheral Venous Blood)

Deviation: 3.16E-4

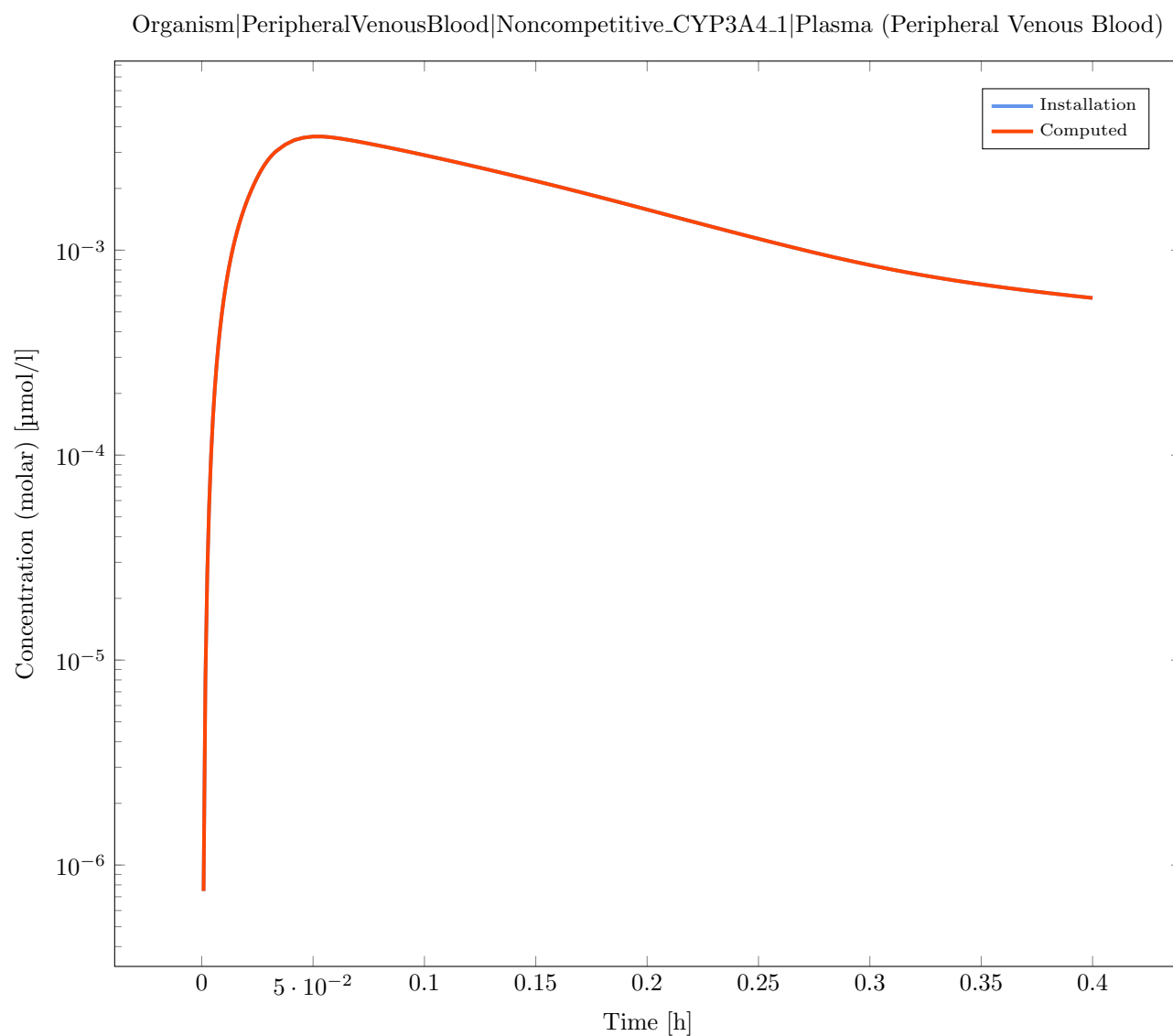


Figure 1.38

**Output Path:** Organism|PeripheralVenousBlood|Noncompetitive\_CYP3A4\_2|Plasma (Peripheral Venous Blood)

Deviation: 3.33E-4

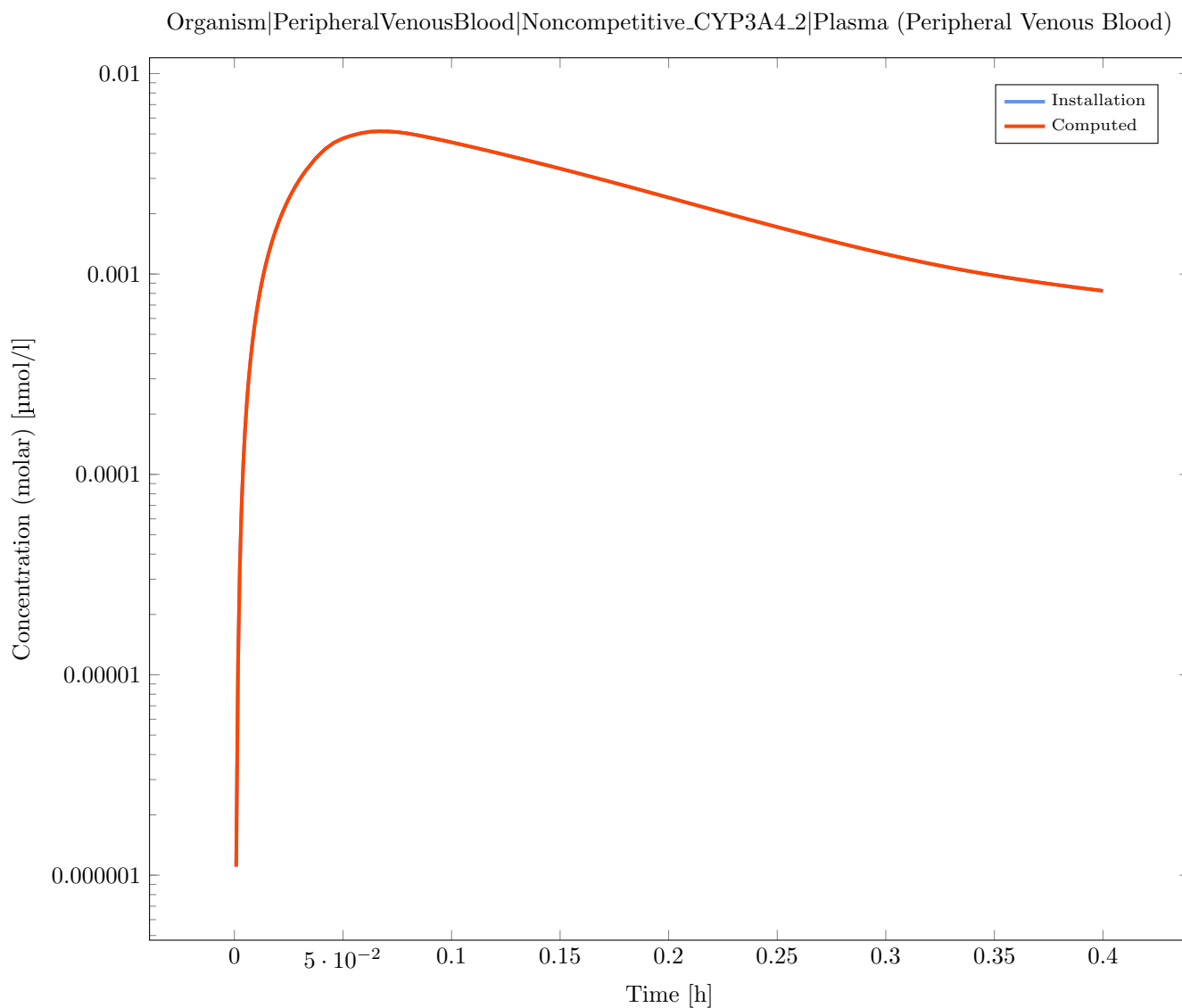


Figure 1.39

**Simulation:** DDI\_MultipleCombinations-10\_MM\_Mixed\_Mixed\_Mechanismbased\_Mechanismbased

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 4.93E-4

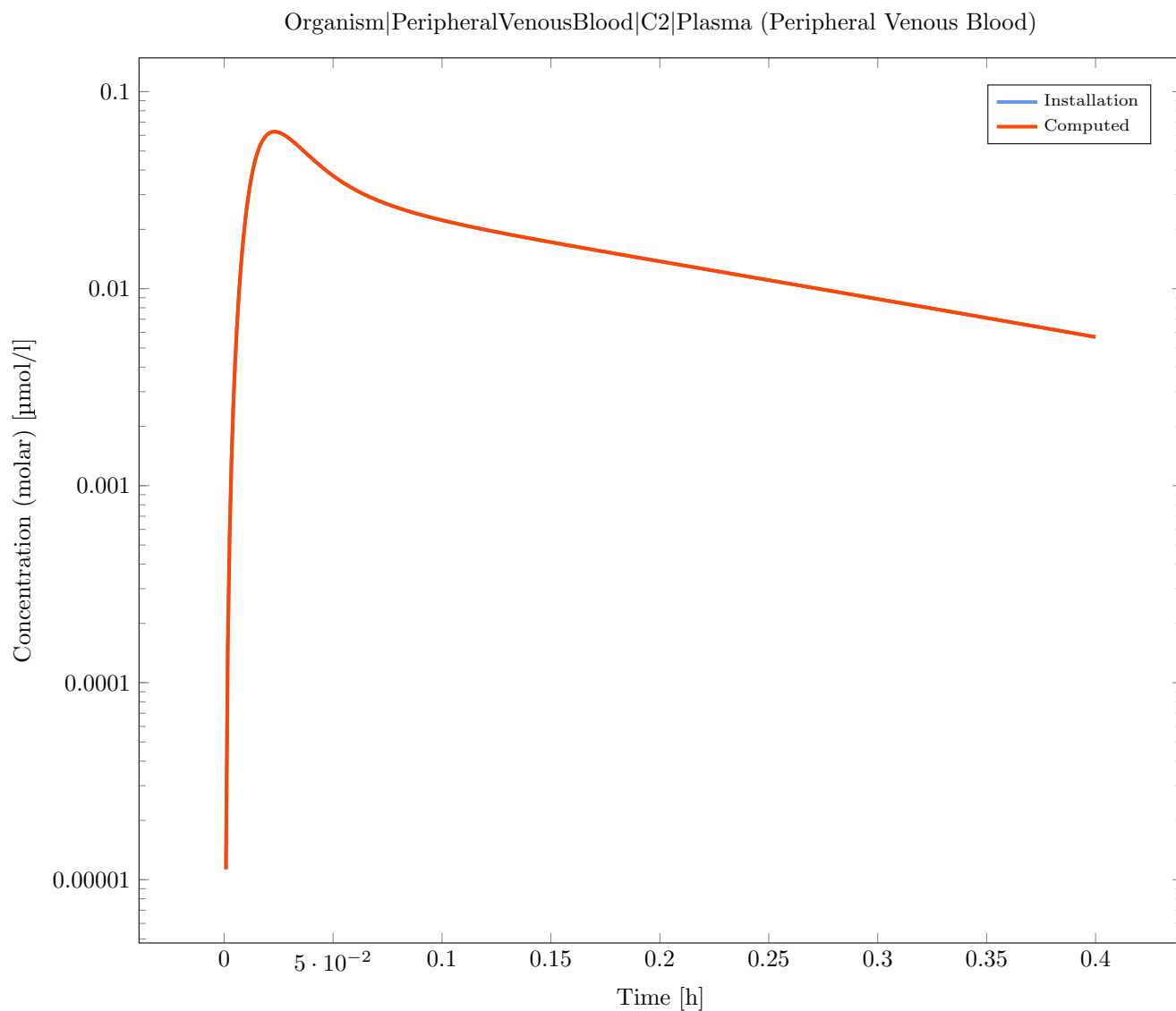


Figure 1.40

**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_4|Plasma (Peripheral Venous Blood)

Deviation: 5.67E-4

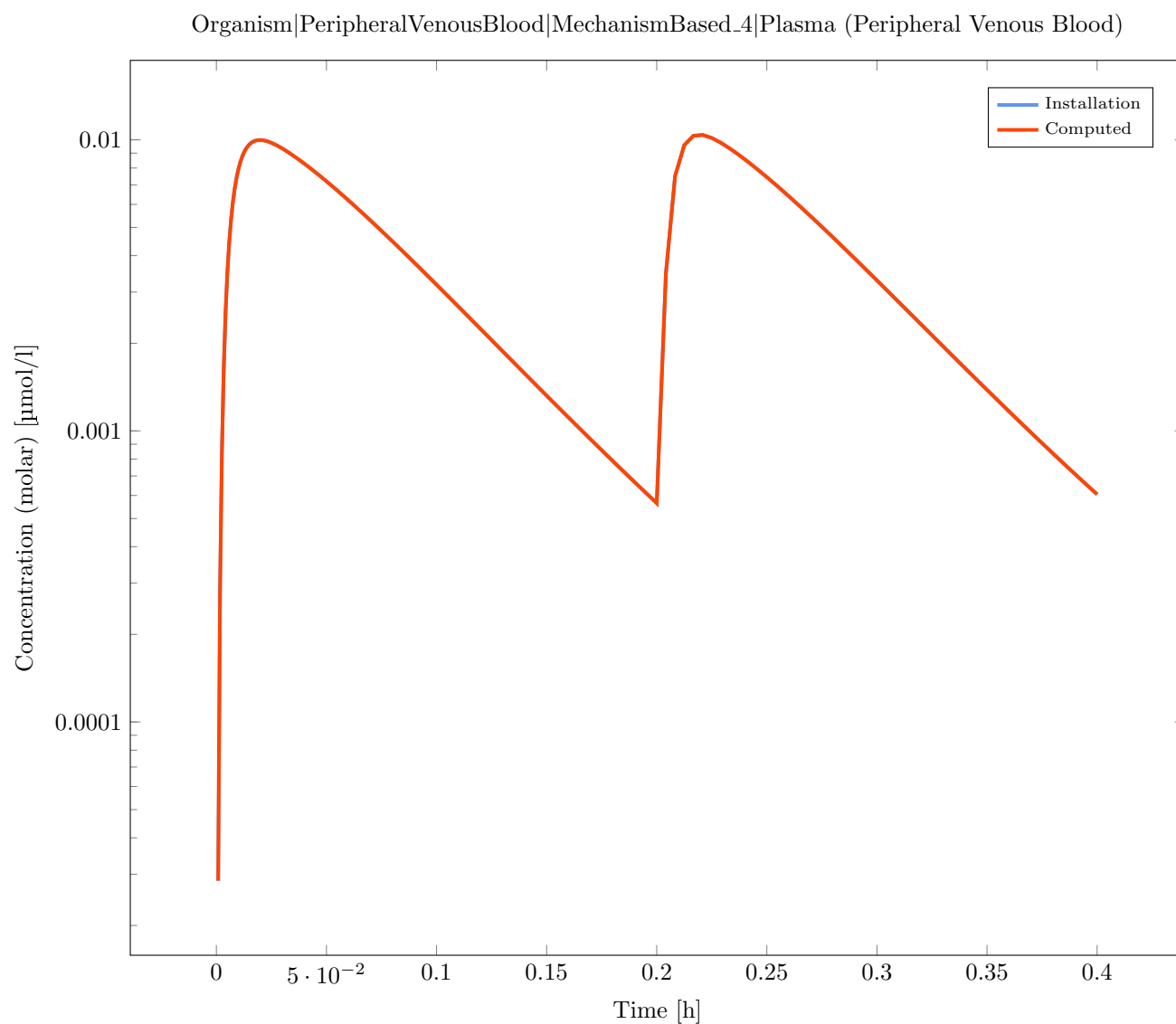


Figure 1.41

**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_3|Plasma (Peripheral Venous Blood)

Deviation: 5.92E-4

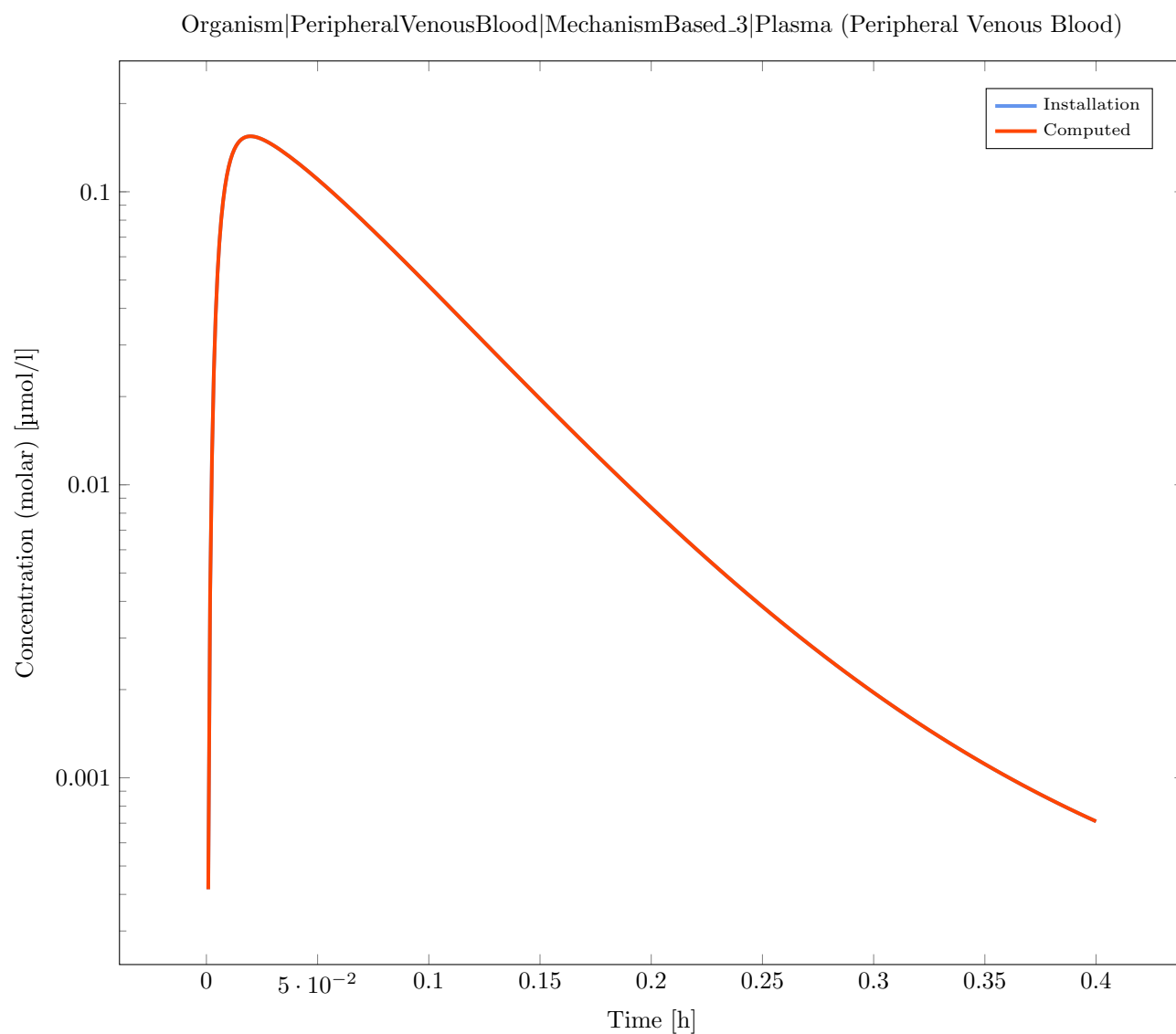


Figure 1.42

**Output Path:** Organism|PeripheralVenousBlood|Mixed\_CYP3A4\_4|Plasma (Peripheral Venous Blood)

Deviation: 1.01E-4

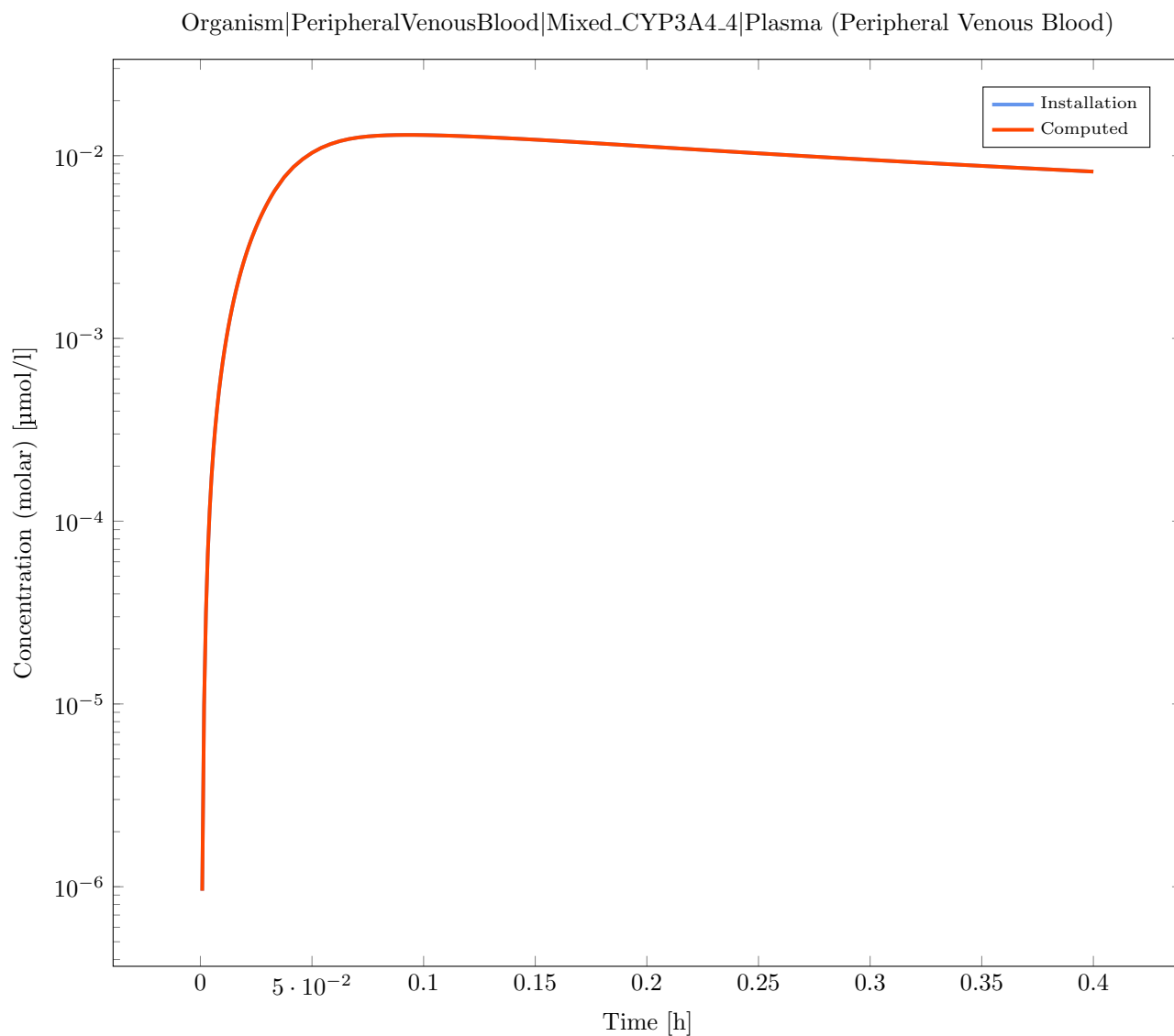


Figure 1.43

**Output Path:** Organism|PeripheralVenousBlood|Mixed\_CYP3A4.3|Plasma (Peripheral Venous Blood)

Deviation: 1.61E-4

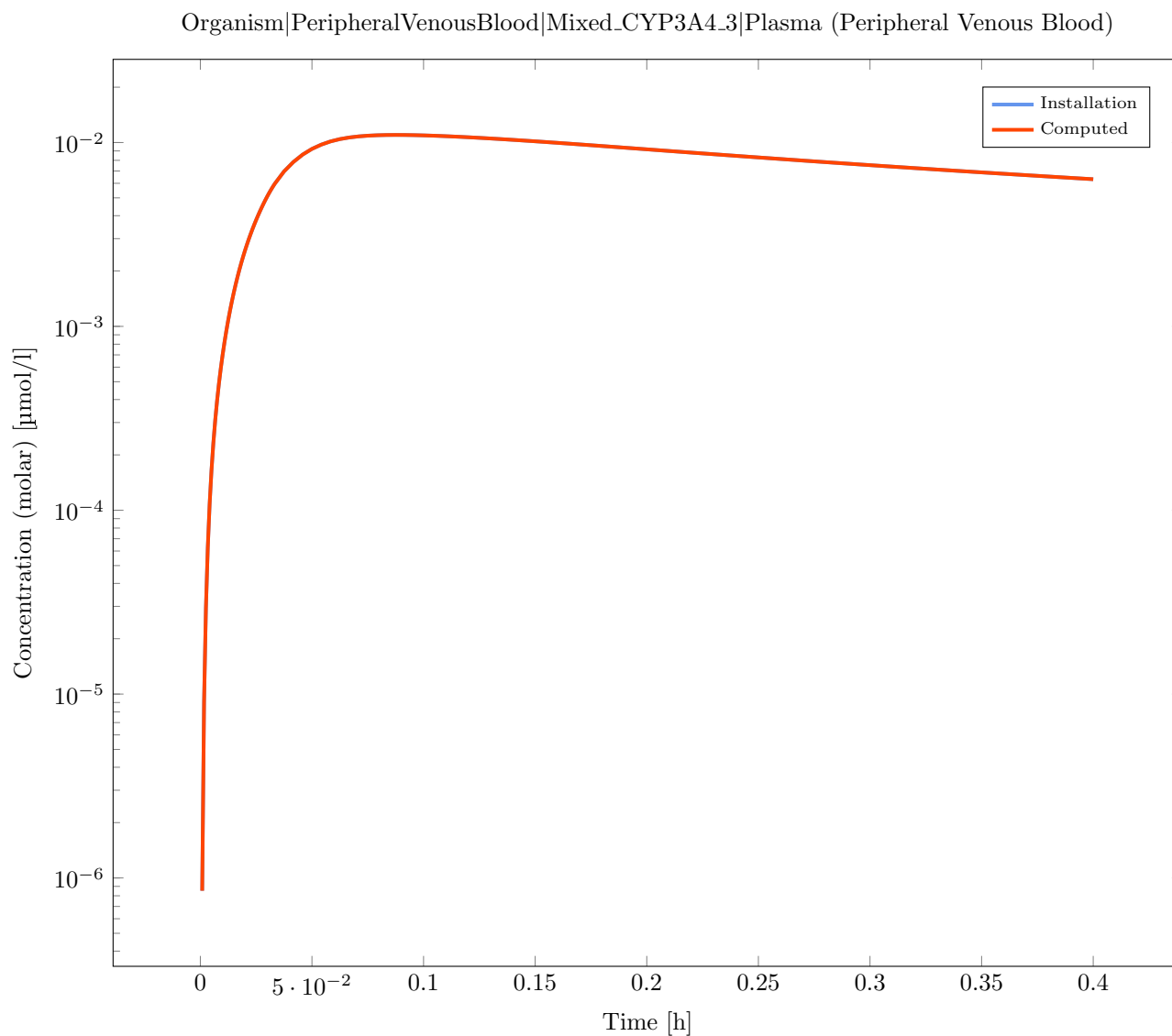


Figure 1.44

**Simulation:** DDI\_MultipleCombinations-11\_MM\_Mechanismbased\_Mechanismbased\_Induction\_-Induction

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 5.05E-4



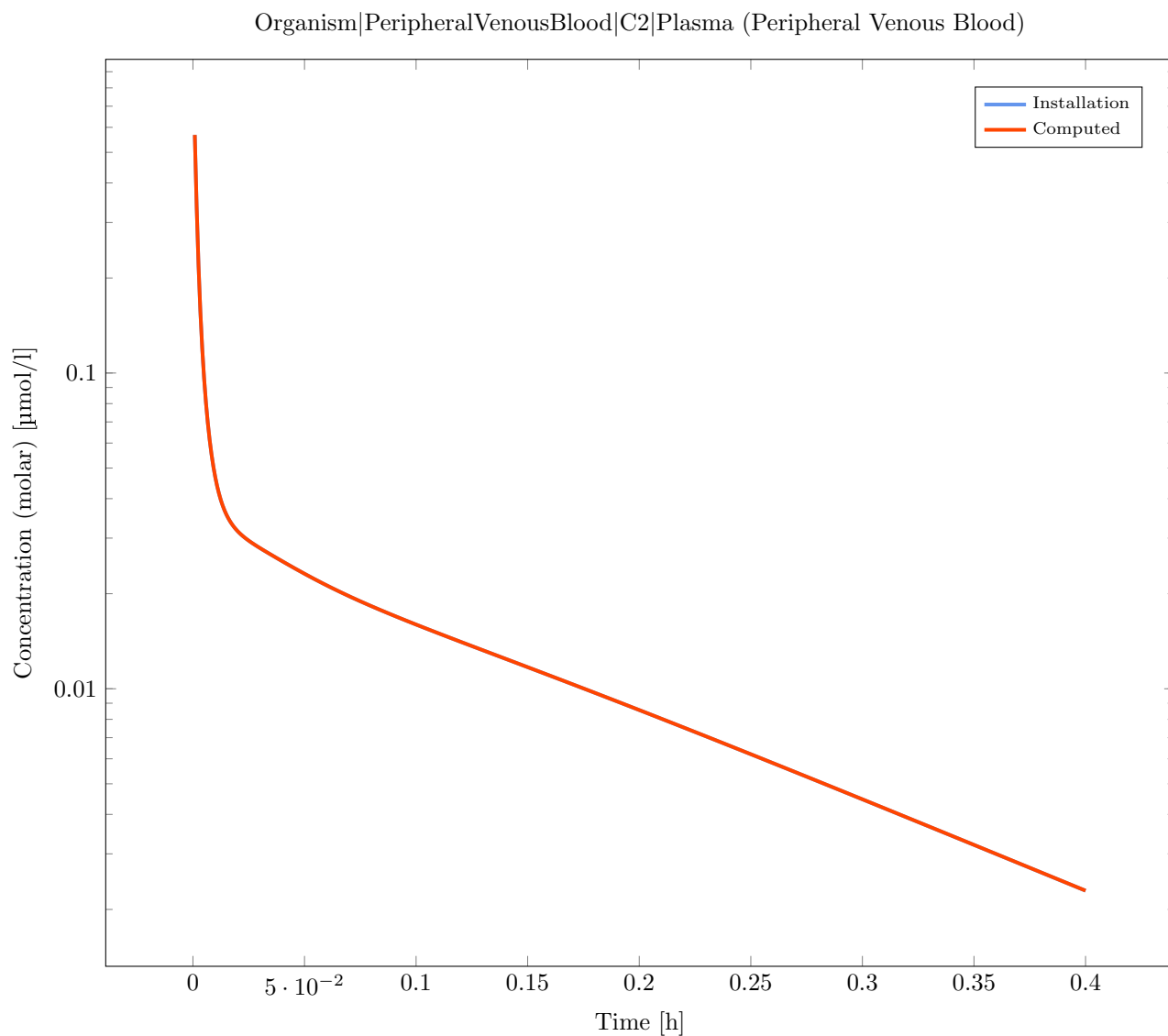


Figure 1.45

**Output Path:** Organism|PeripheralVenousBlood|Efavirenz|Plasma (Peripheral Venous Blood)

Deviation: 1.73E-4

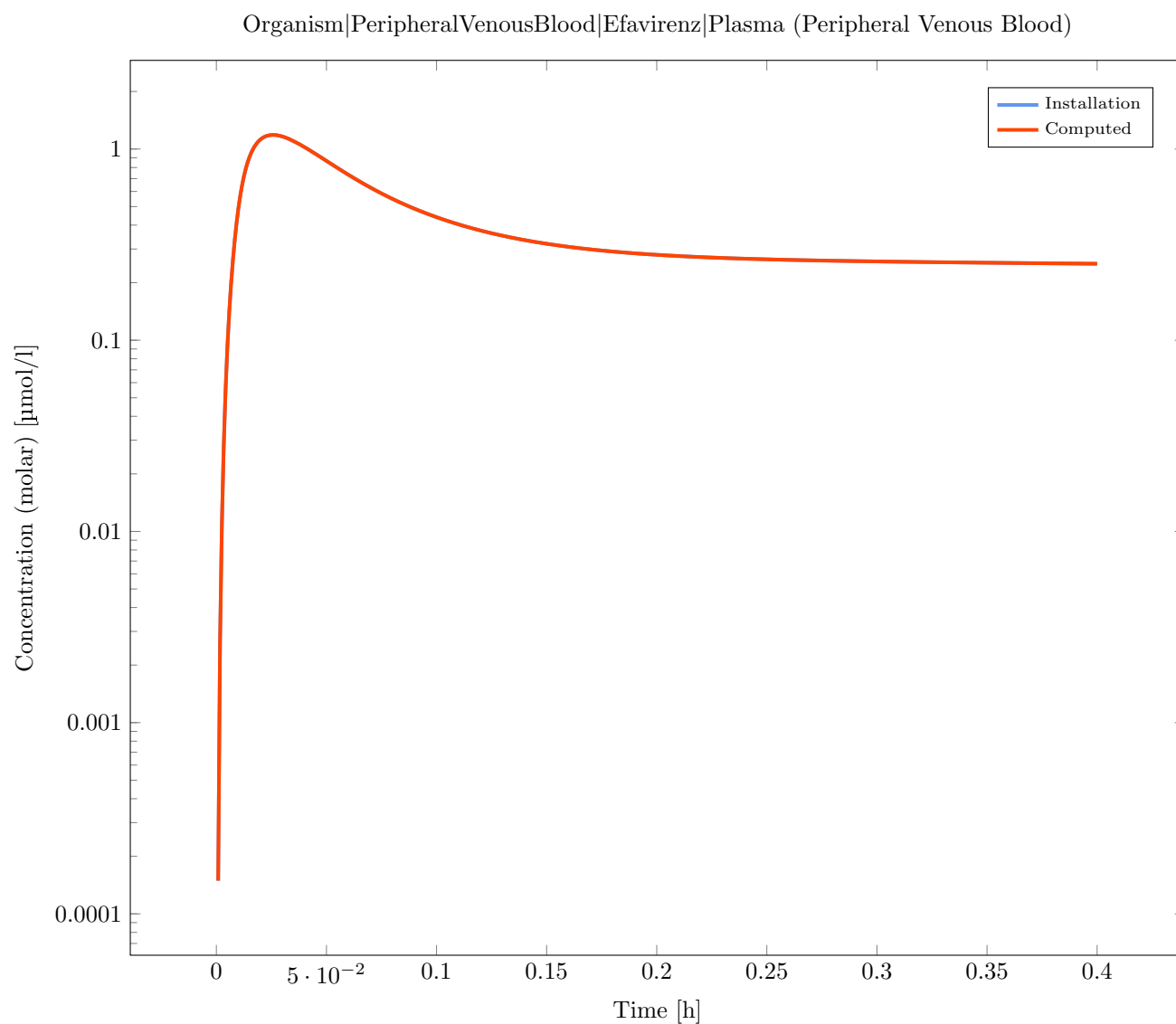


Figure 1.46

**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_3|Plasma (Peripheral Venous Blood)

Deviation: 5.98E-4

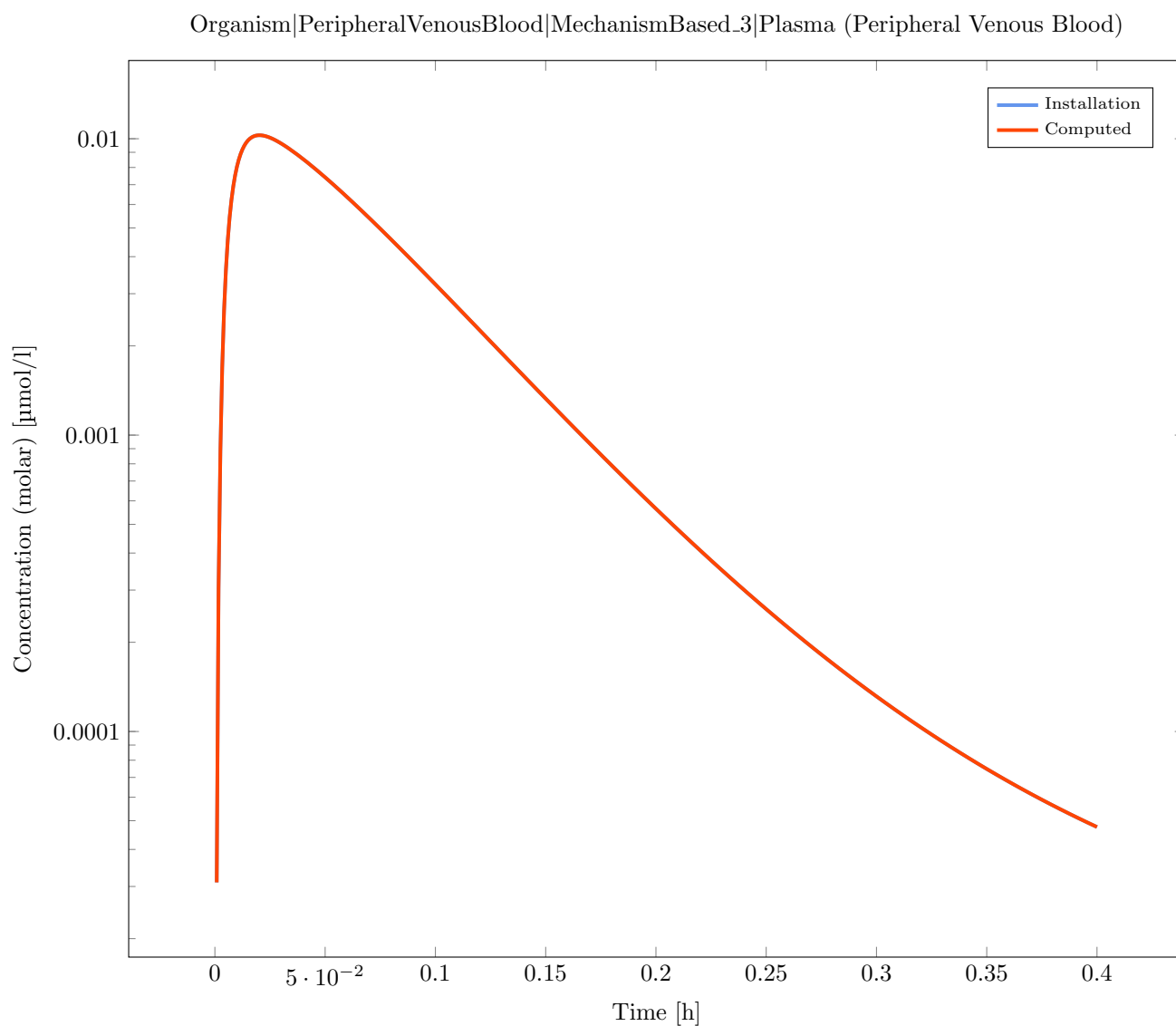


Figure 1.47

**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_4|Plasma (Peripheral Venous Blood)

Deviation: 6.00E-4

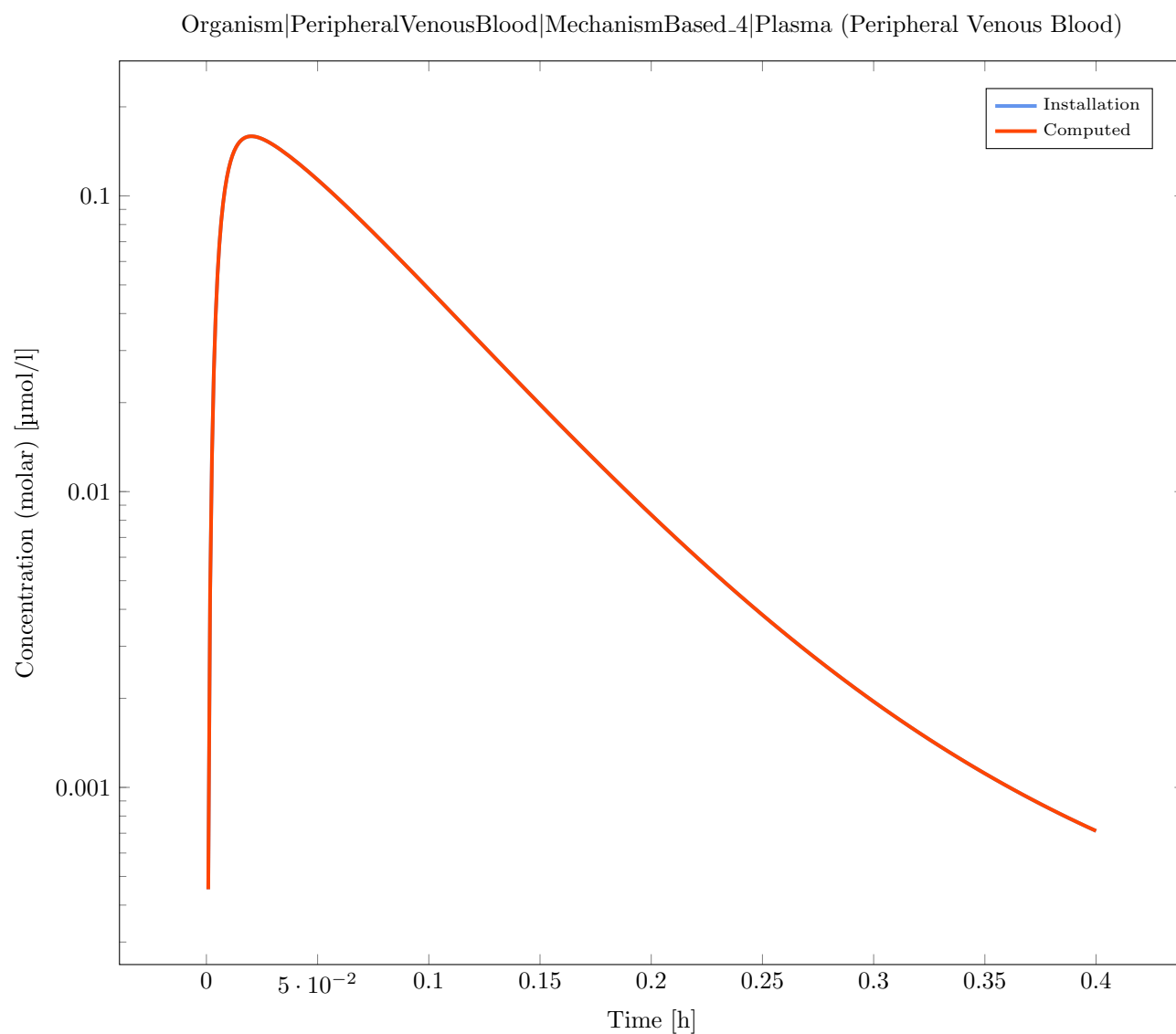


Figure 1.48

**Output Path:** Organism|PeripheralVenousBlood|Rifampicin|Plasma (Peripheral Venous Blood)  
Deviation: 4.51E-4

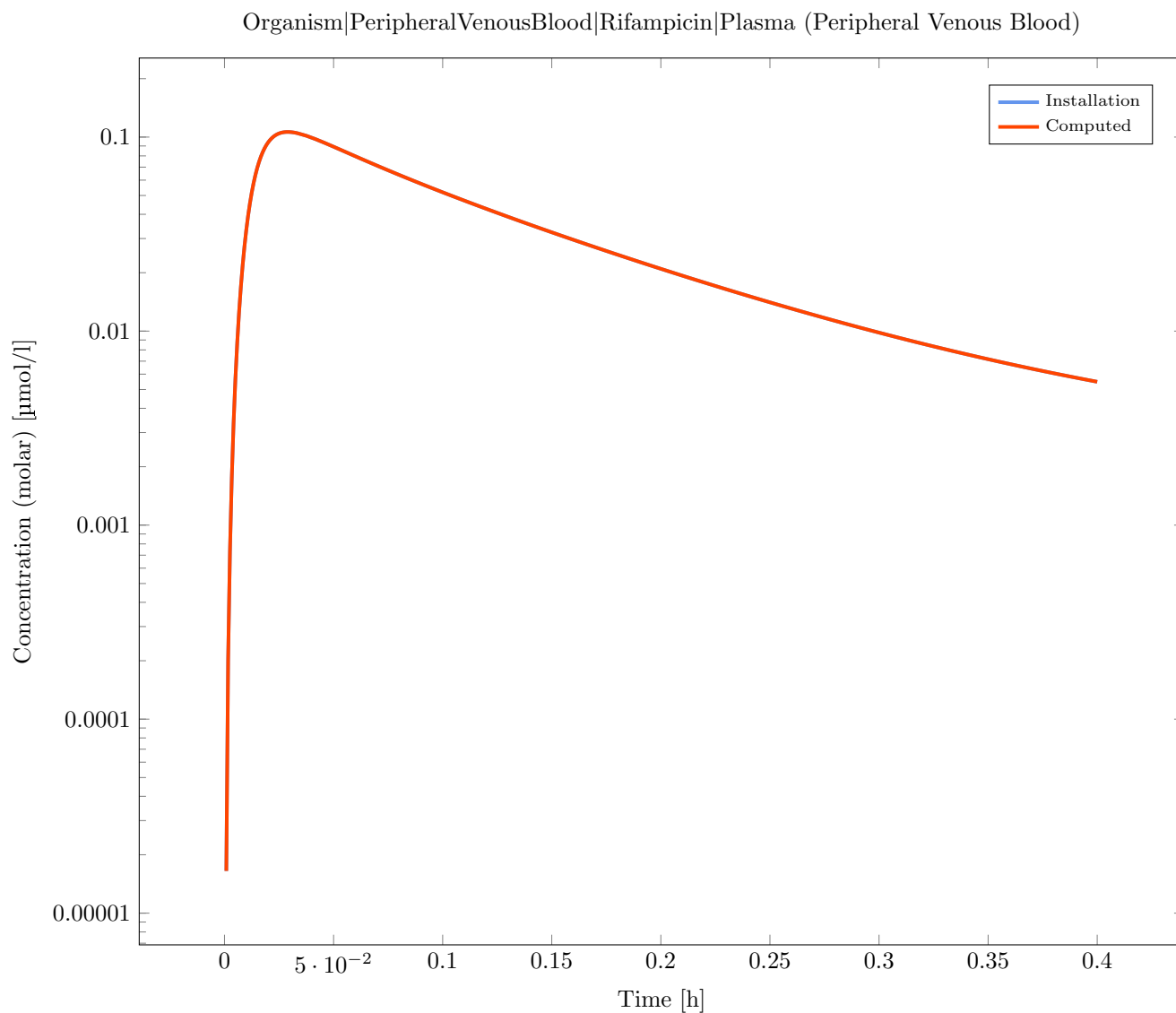


Figure 1.49

**Simulation:** DDI\_MultipleCombinations-12\_MM\_All\_DDI\_Types

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 5.68E-4

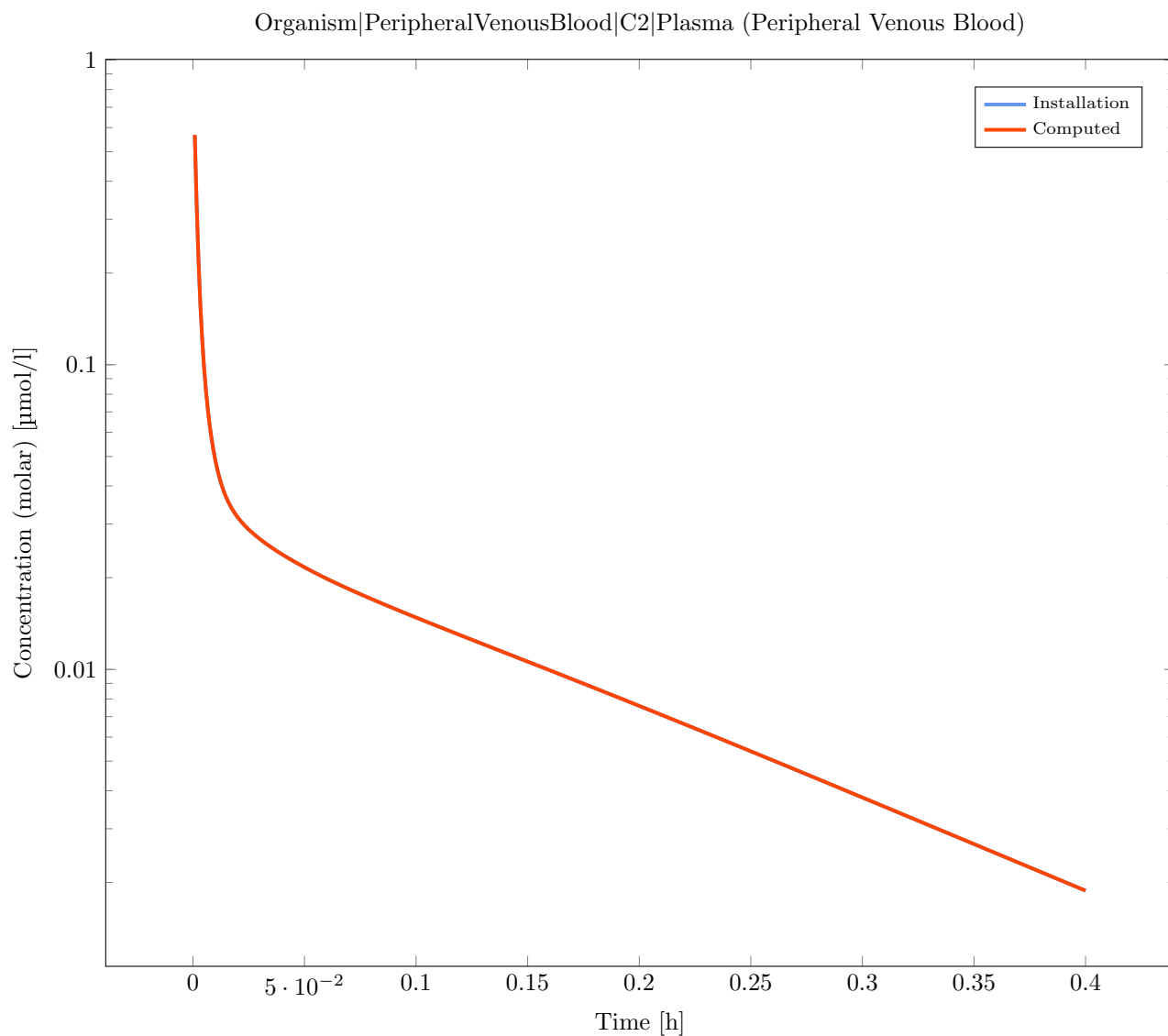


Figure 1.50

**Output Path:** Organism|PeripheralVenousBlood|Efavirenz|Plasma (Peripheral Venous Blood)

Deviation: 1.92E-4

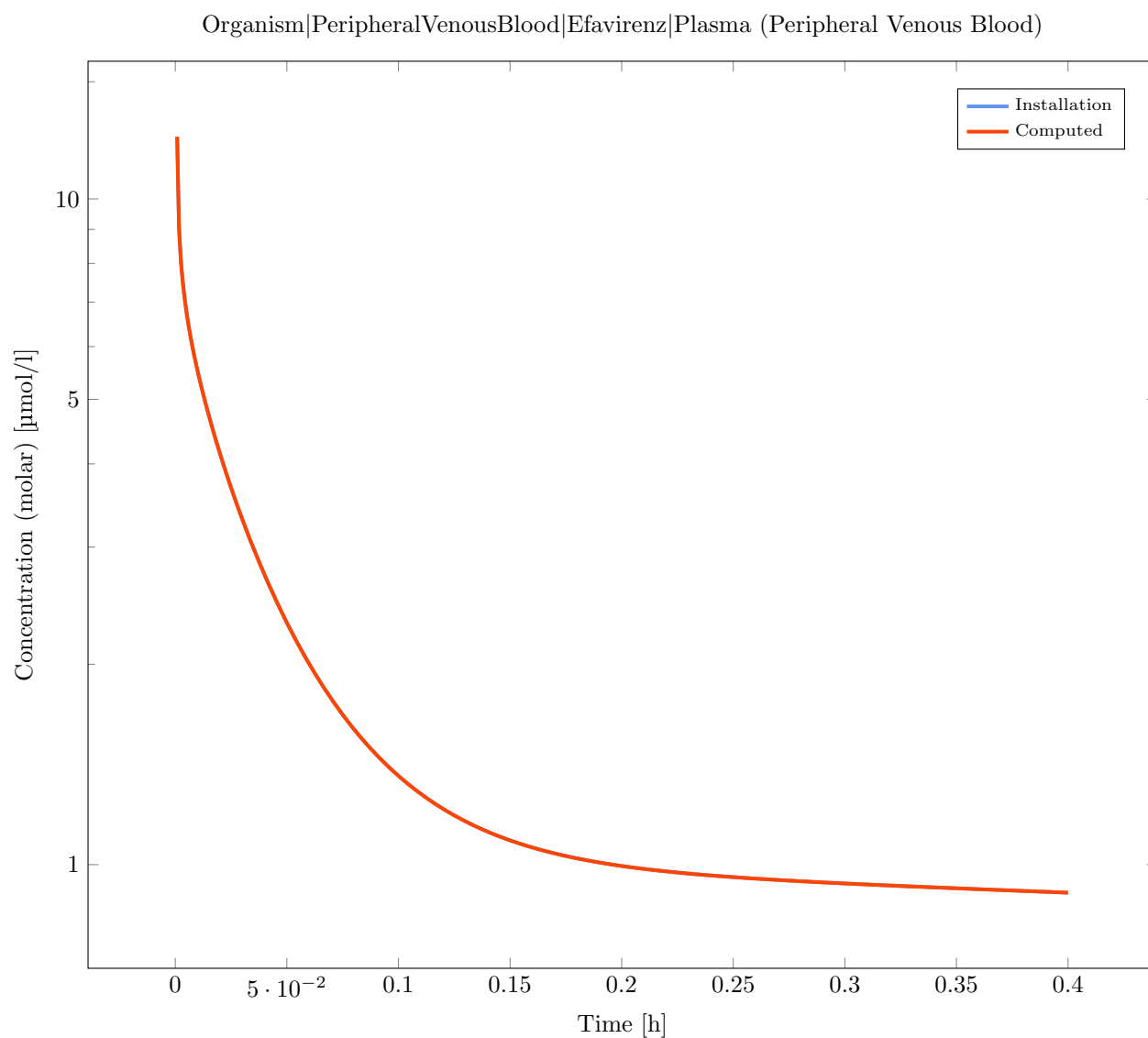


Figure 1.51

**Output Path:** Organism|PeripheralVenousBlood|Fluvoxamine|Plasma (Peripheral Venous Blood)  
Deviation: 3.12E-4

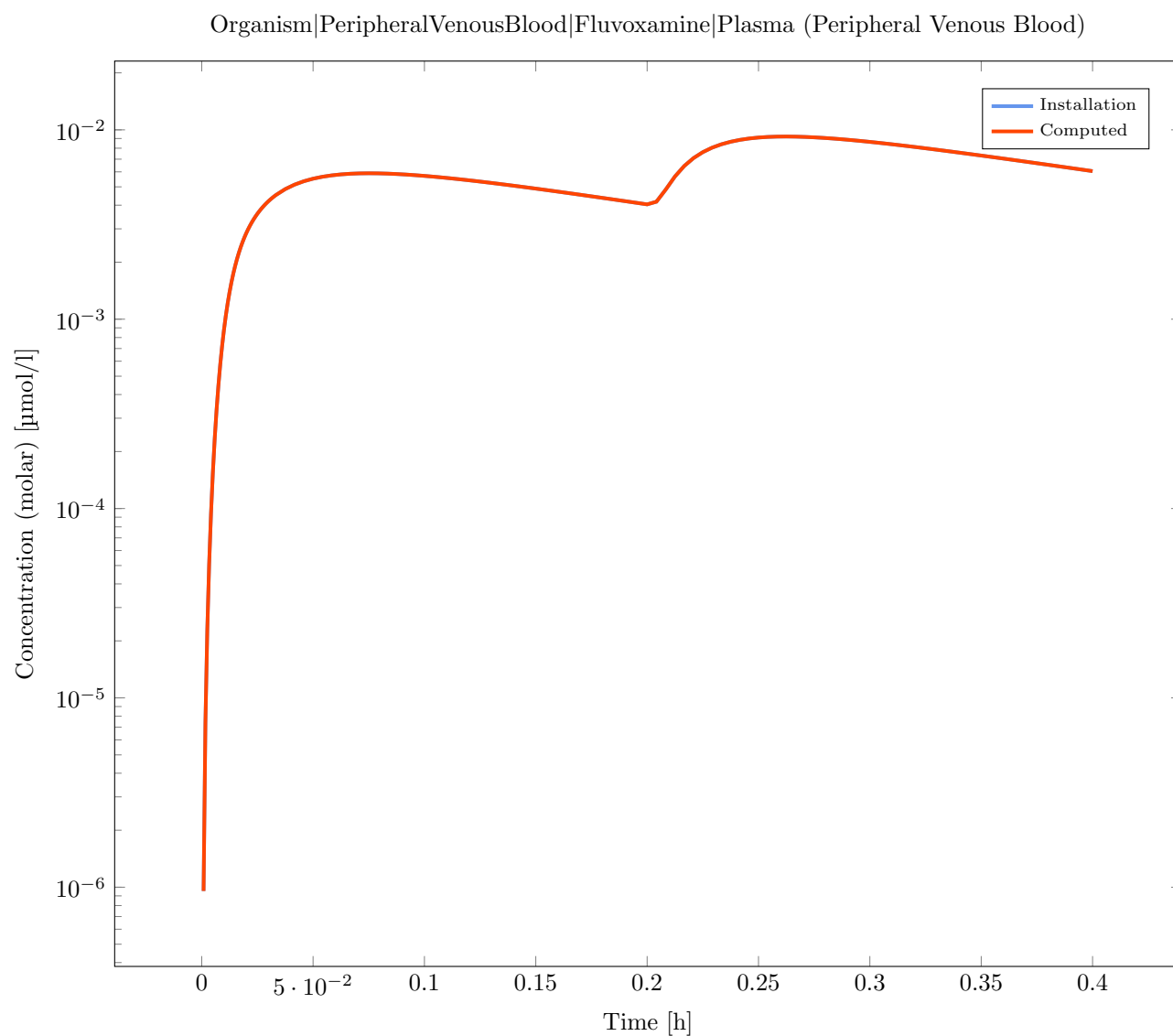
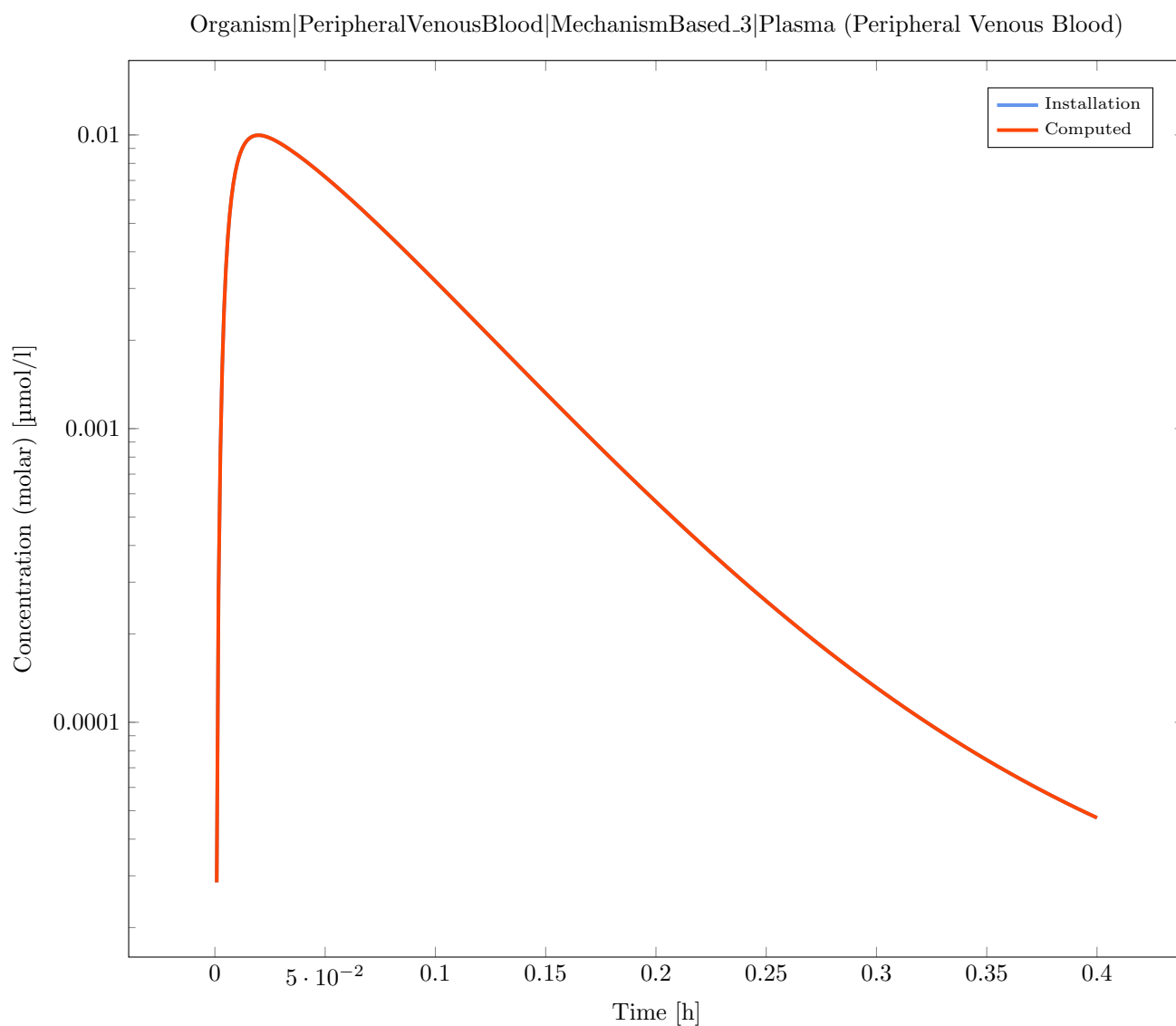


Figure 1.52

**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_3|Plasma (Peripheral Venous Blood)

Deviation: 4.79E-4



**Figure 1.53**

**Output Path:** Organism|PeripheralVenousBlood|Mixed\_CYP3A4\_3|Plasma (Peripheral Venous Blood)

Deviation: 4.20E-4

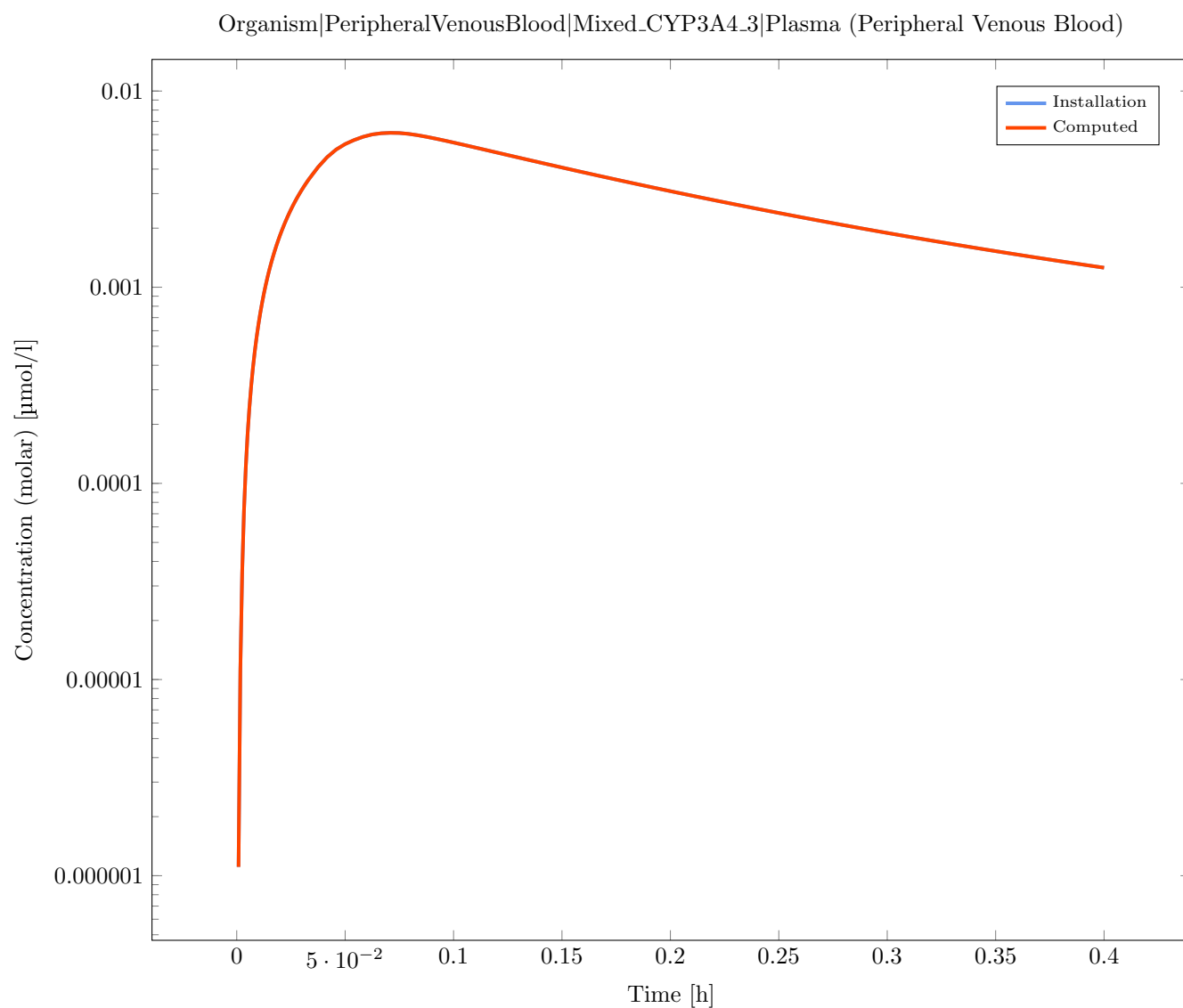


Figure 1.54

**Output Path:** Organism|PeripheralVenousBlood|Noncompetitive\_CYP3A4.1|Plasma (Peripheral Venous Blood)

Deviation: 5.23E-4

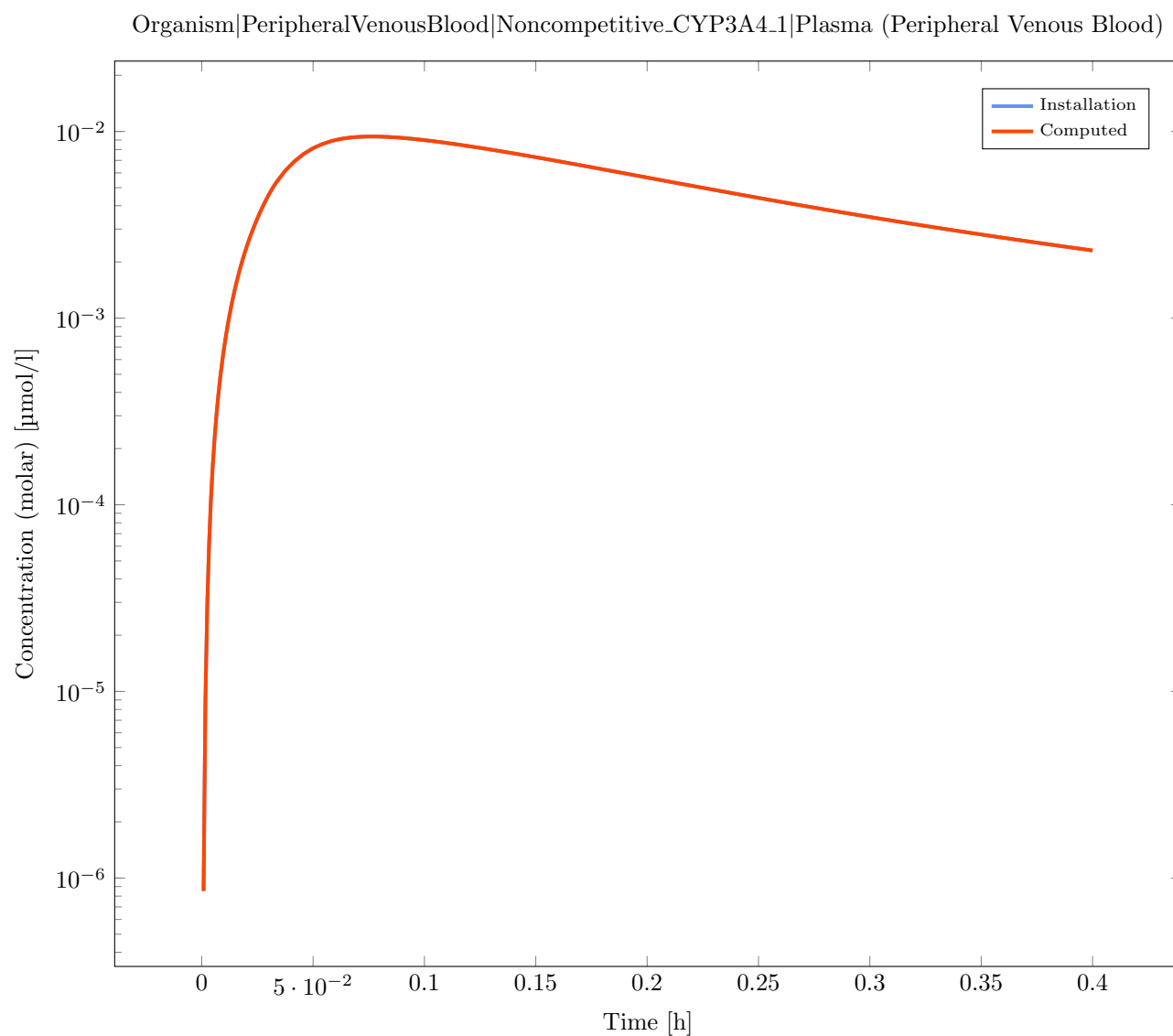


Figure 1.55

**Output Path:** Organism|PeripheralVenousBlood|Uncompetitive\_CYP3A4\_3|Plasma (Peripheral Venous Blood)

Deviation: 5.07E-4

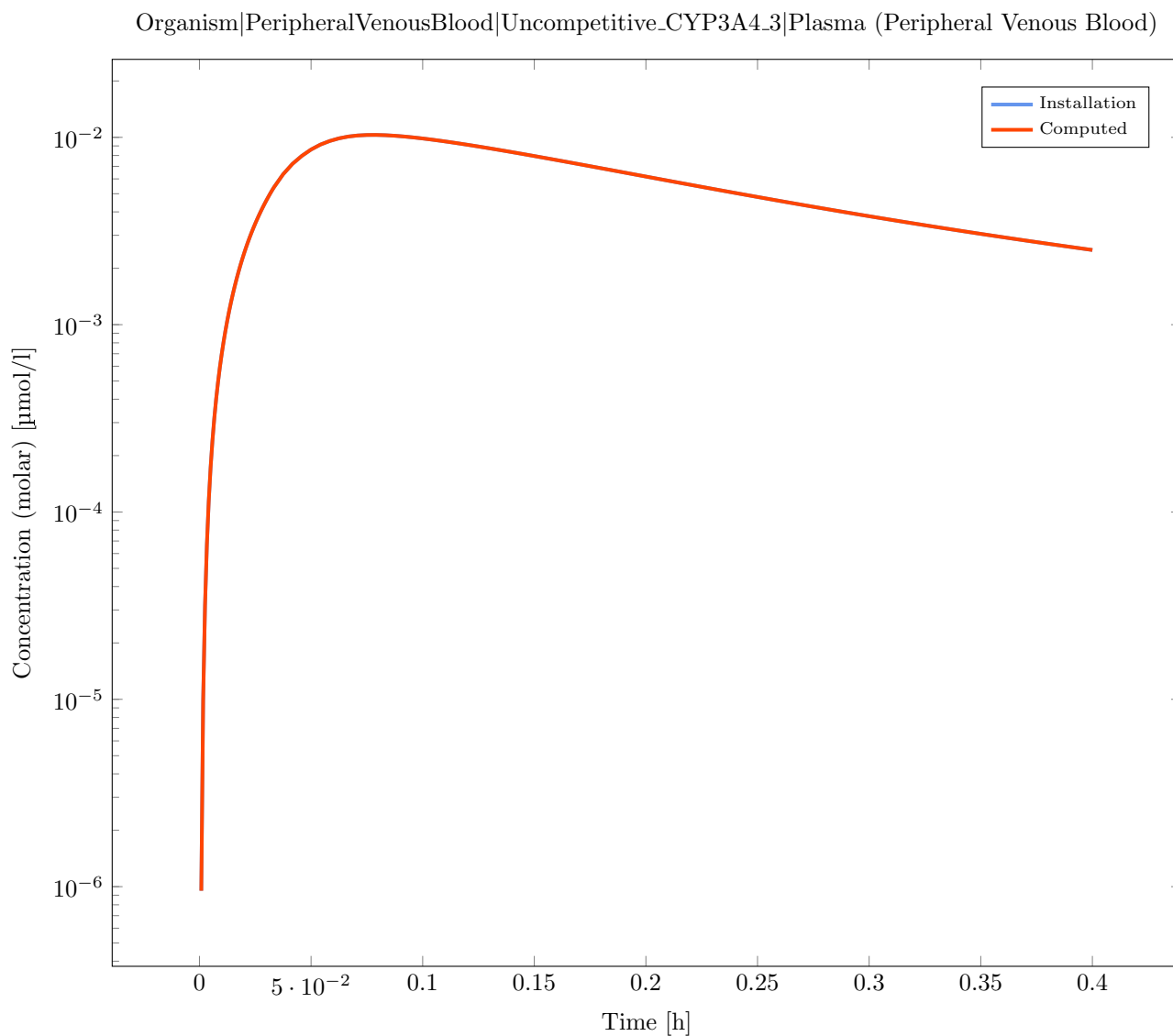


Figure 1.56

**Simulation:** DDI\_MultipleCombinations-21\_1st\_Competitive\_Competitive

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 2.97E-4

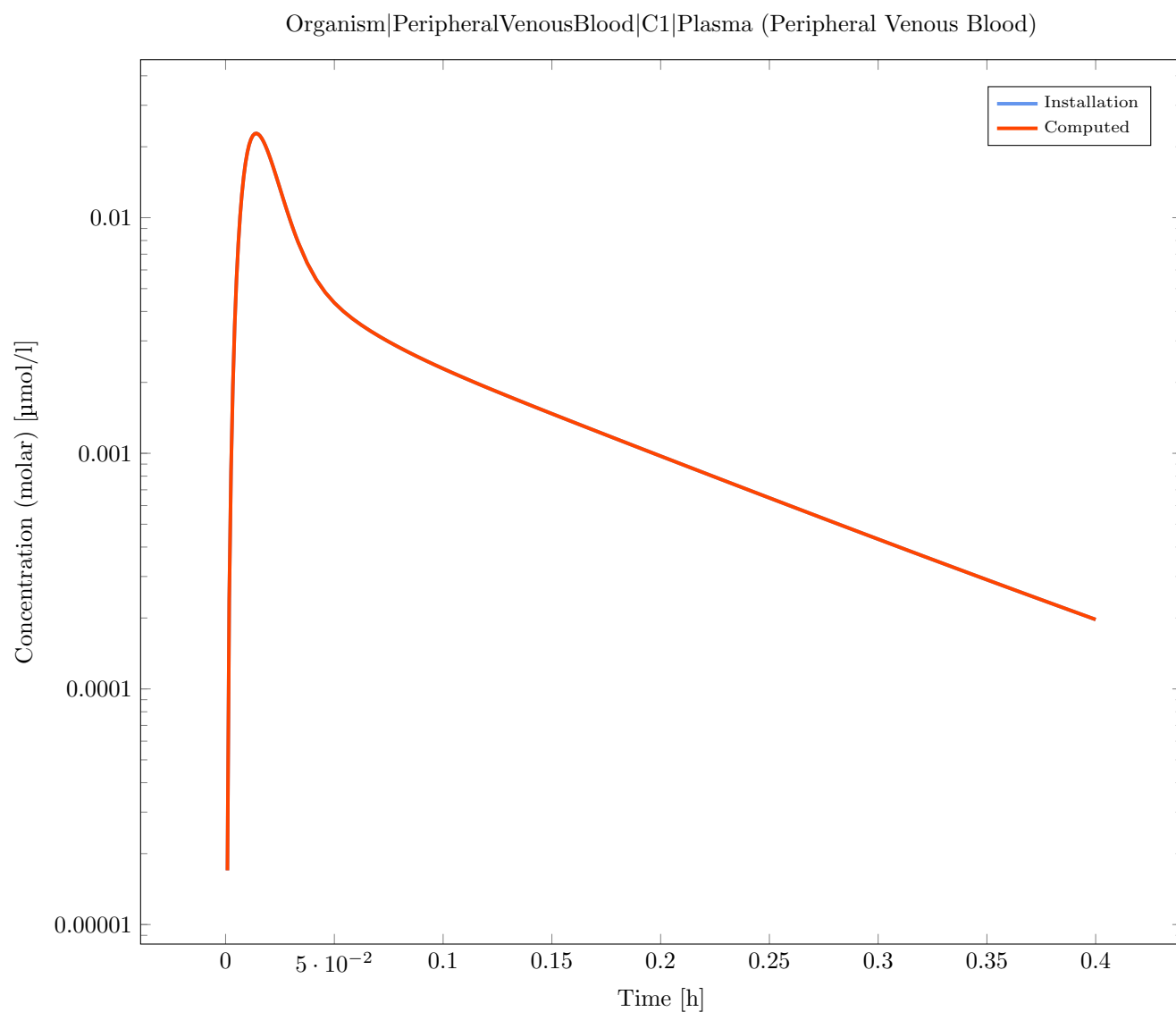


Figure 1.57

**Output Path:** Organism|PeripheralVenousBlood|Fluvoxamine|Plasma (Peripheral Venous Blood)

Deviation: 2.00E-4

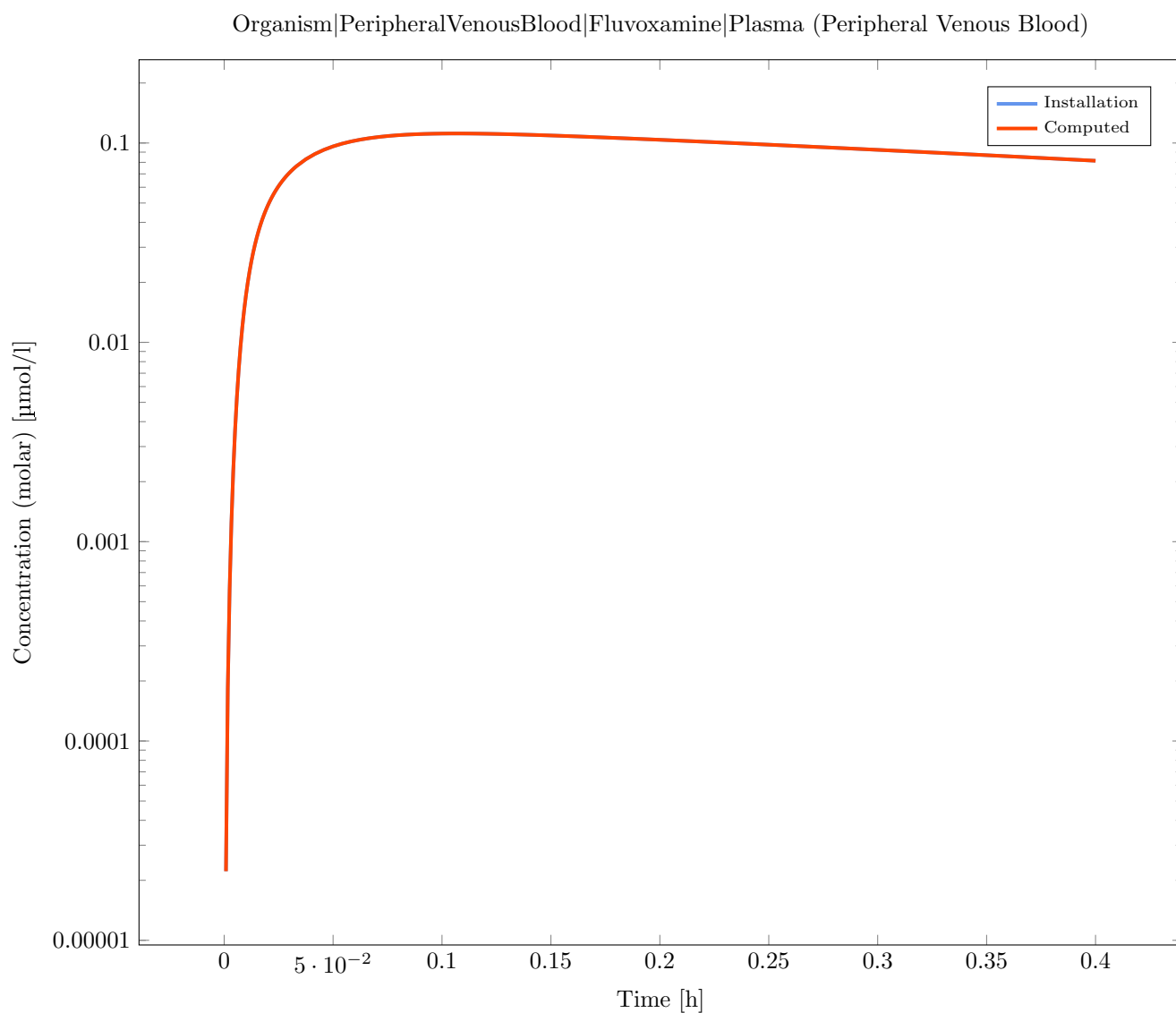


Figure 1.58

**Output Path:** Organism|PeripheralVenousBlood|Itraconazole|Plasma (Peripheral Venous Blood)

Deviation: 2.44E-4

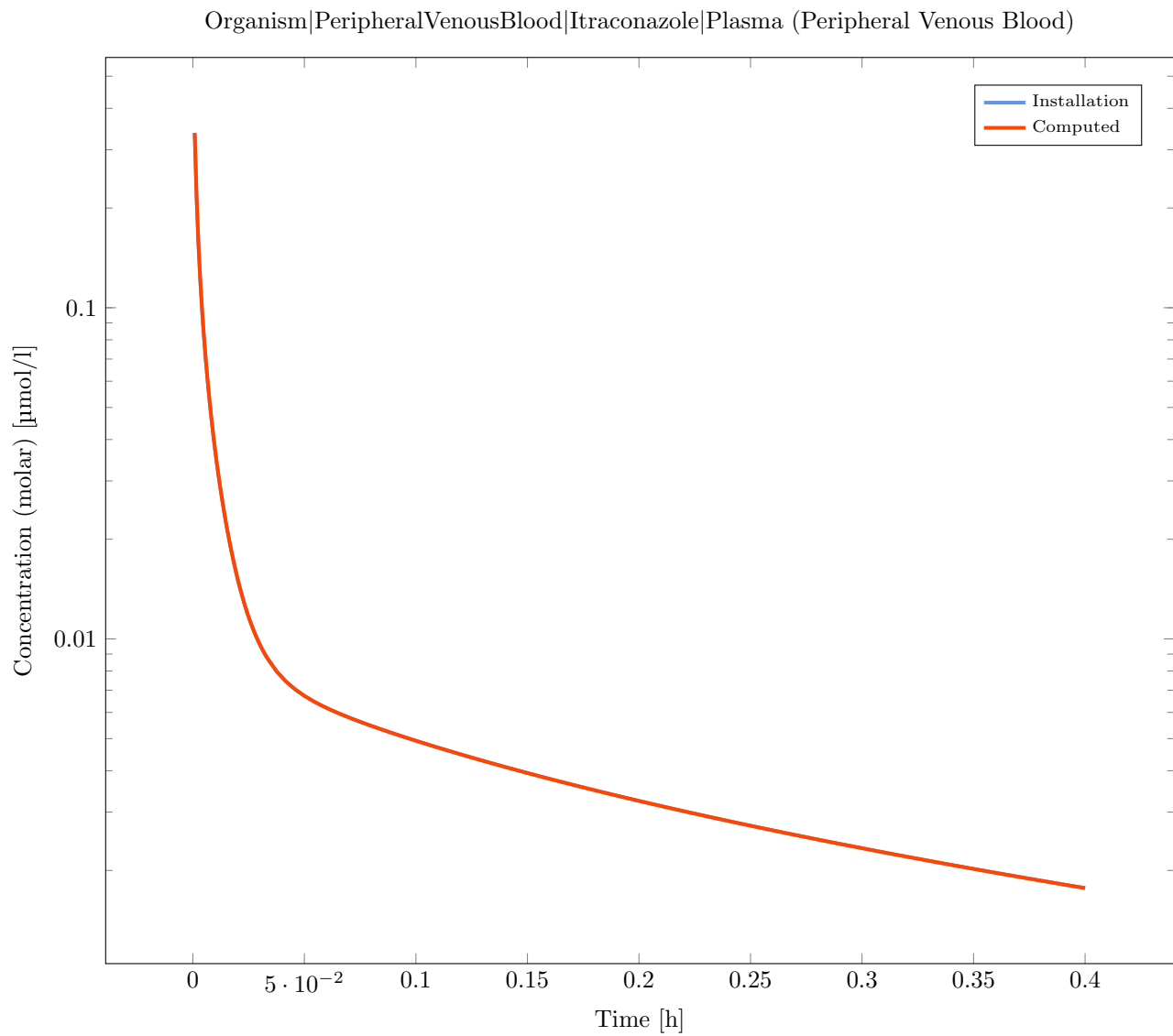


Figure 1.59

**Simulation:** DDI\_MultipleCombinations-23\_1st\_Noncompetitive\_Noncompetitive

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|Noncompetitive\_CYP3A4\_1|Plasma (Peripheral Venous Blood)

Deviation: 3.68E-4

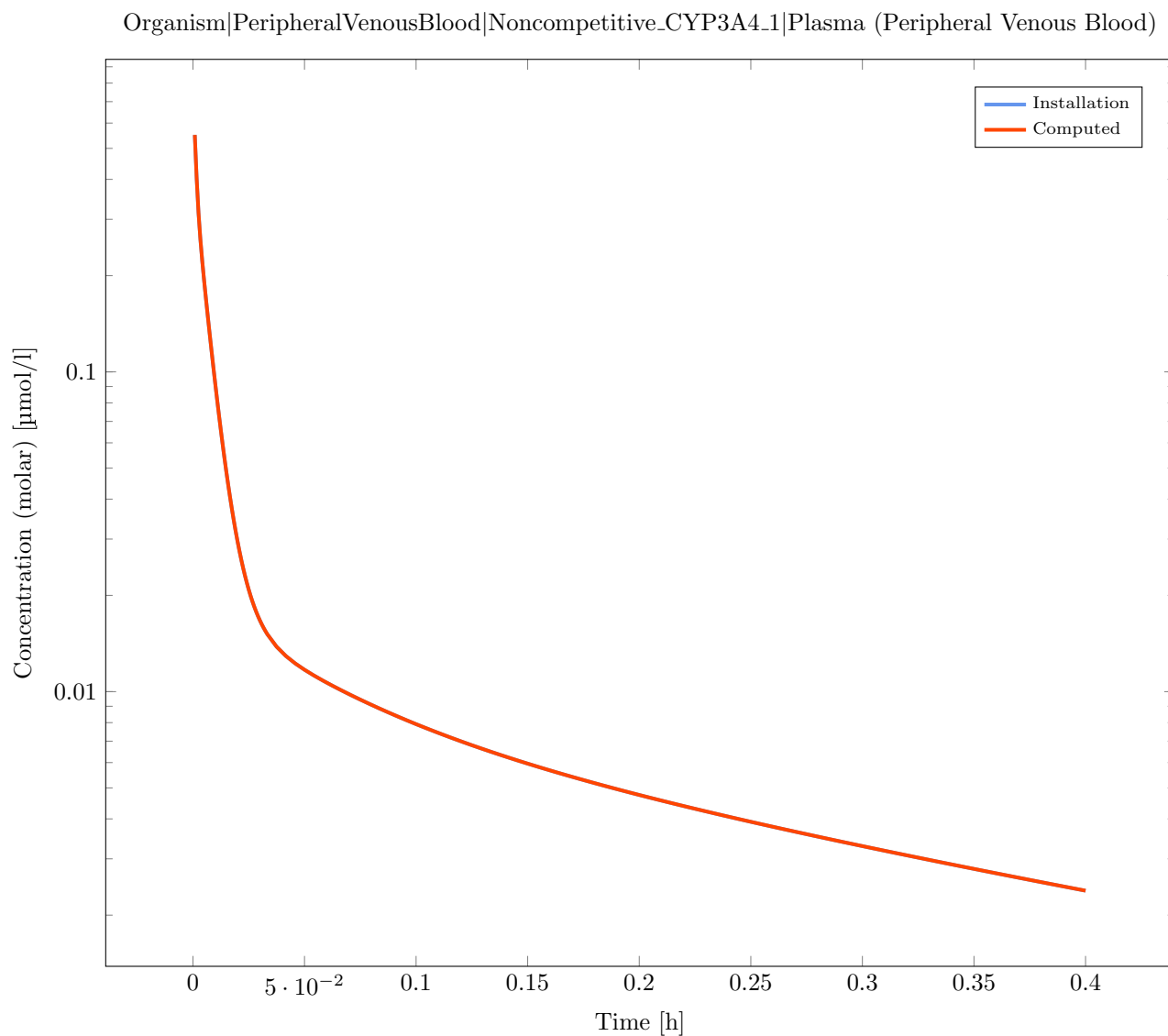


Figure 1.60

**Output Path:** Organism|PeripheralVenousBlood|Noncompetitive\_CYP3A4\_2|Plasma (Peripheral Venous Blood)

Deviation: 3.32E-4



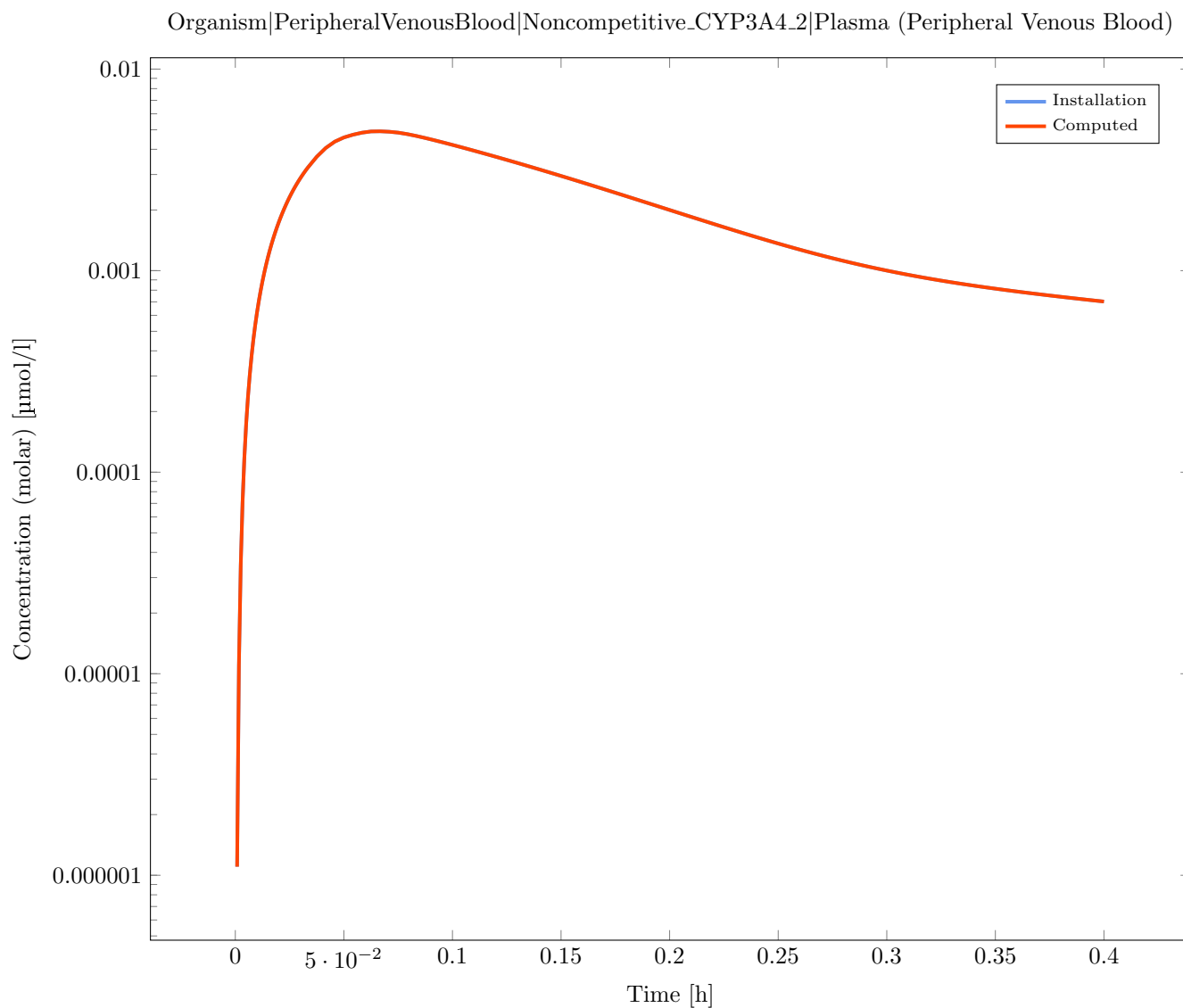


Figure 1.61

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 2.67E-4

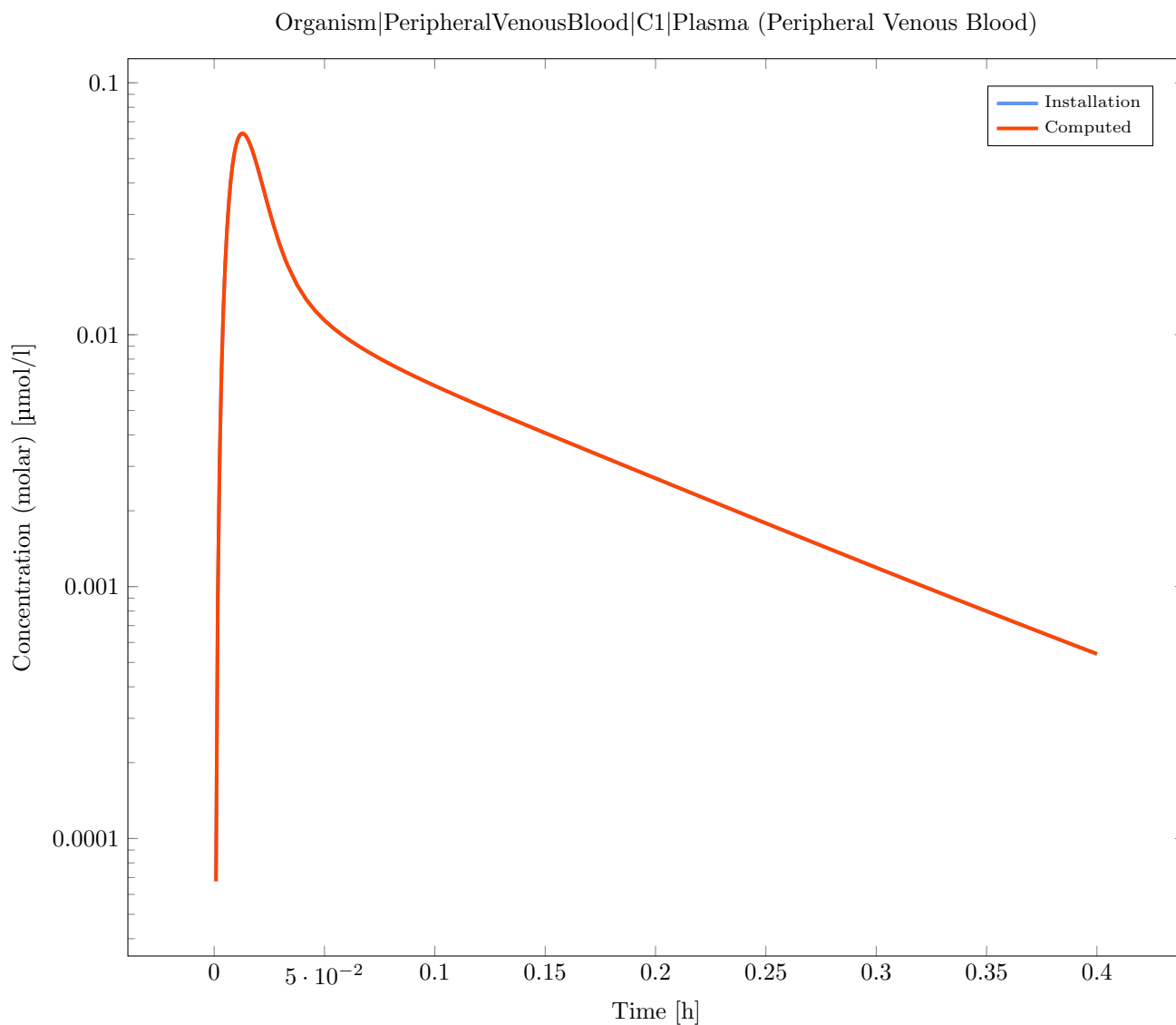


Figure 1.62

**Simulation:** DDI\_MultipleCombinations-24\_1st\_Mixed\_Mixed

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|Mixed\_CYP3A4\_1|Plasma (Peripheral Venous Blood)

Deviation: 3.11E-4

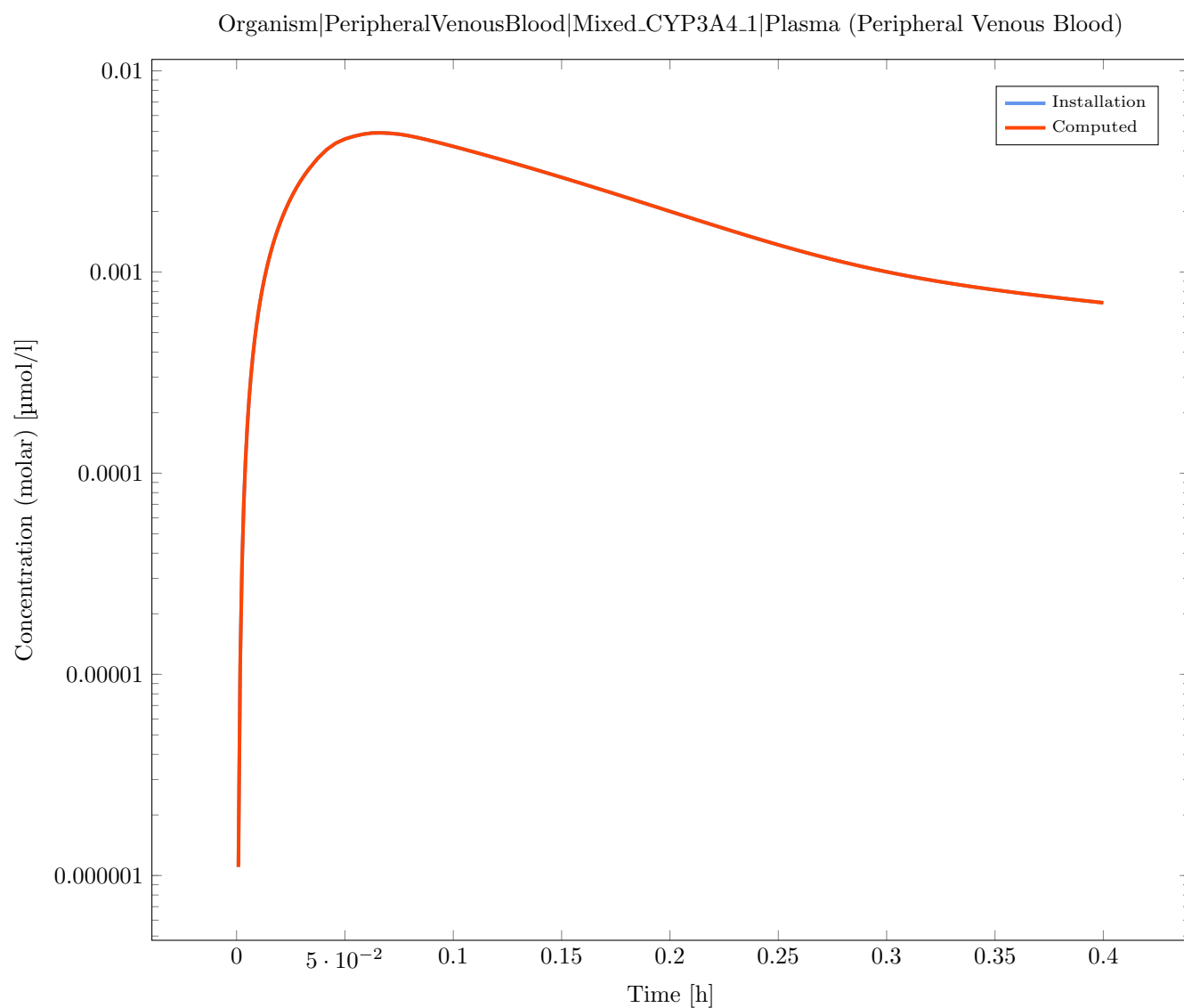


Figure 1.63

**Output Path:** Organism|PeripheralVenousBlood|Mixed\_CYP3A4.2|Plasma (Peripheral Venous Blood)

Deviation: 3.68E-4

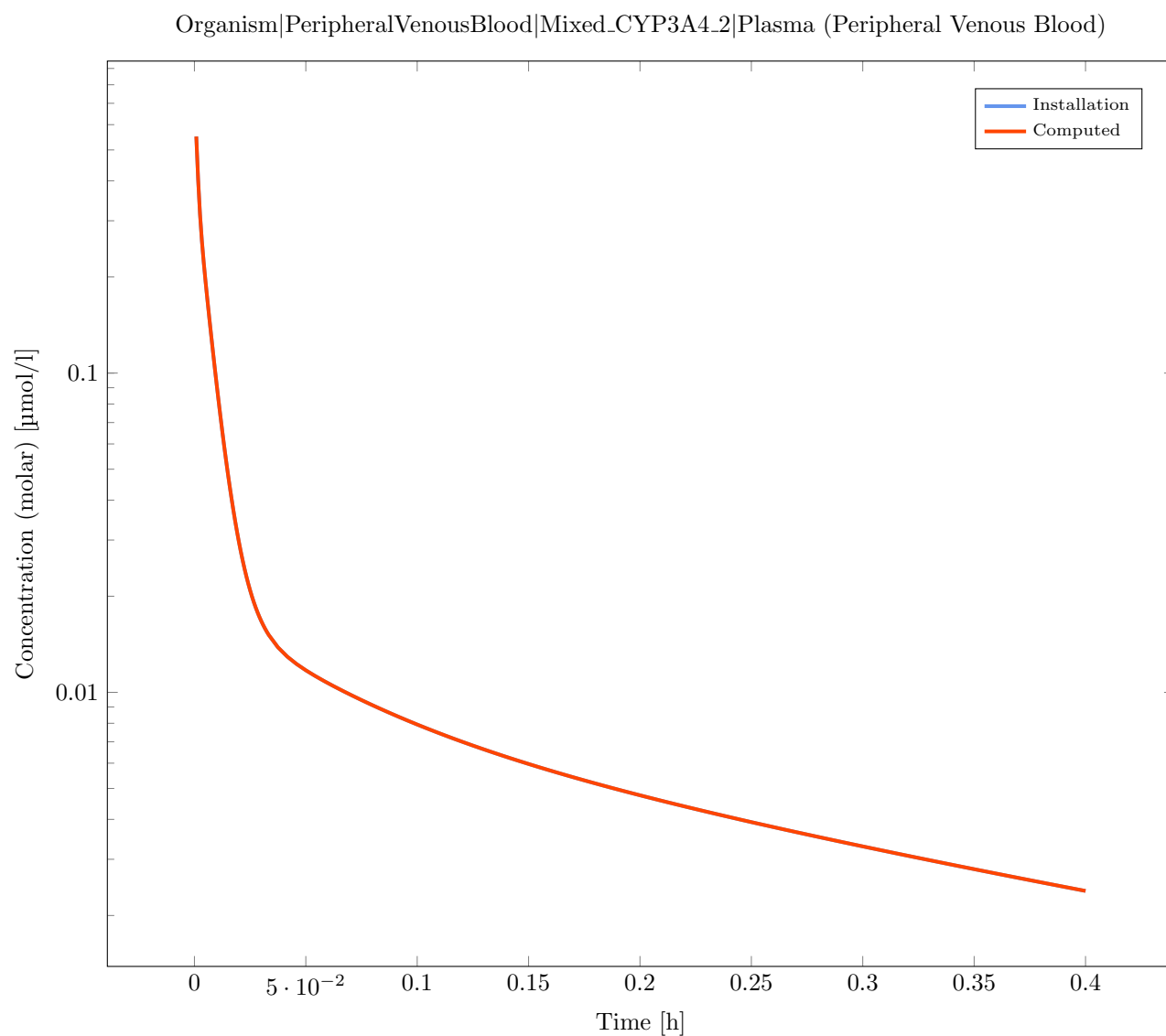


Figure 1.64

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 2.84E-4

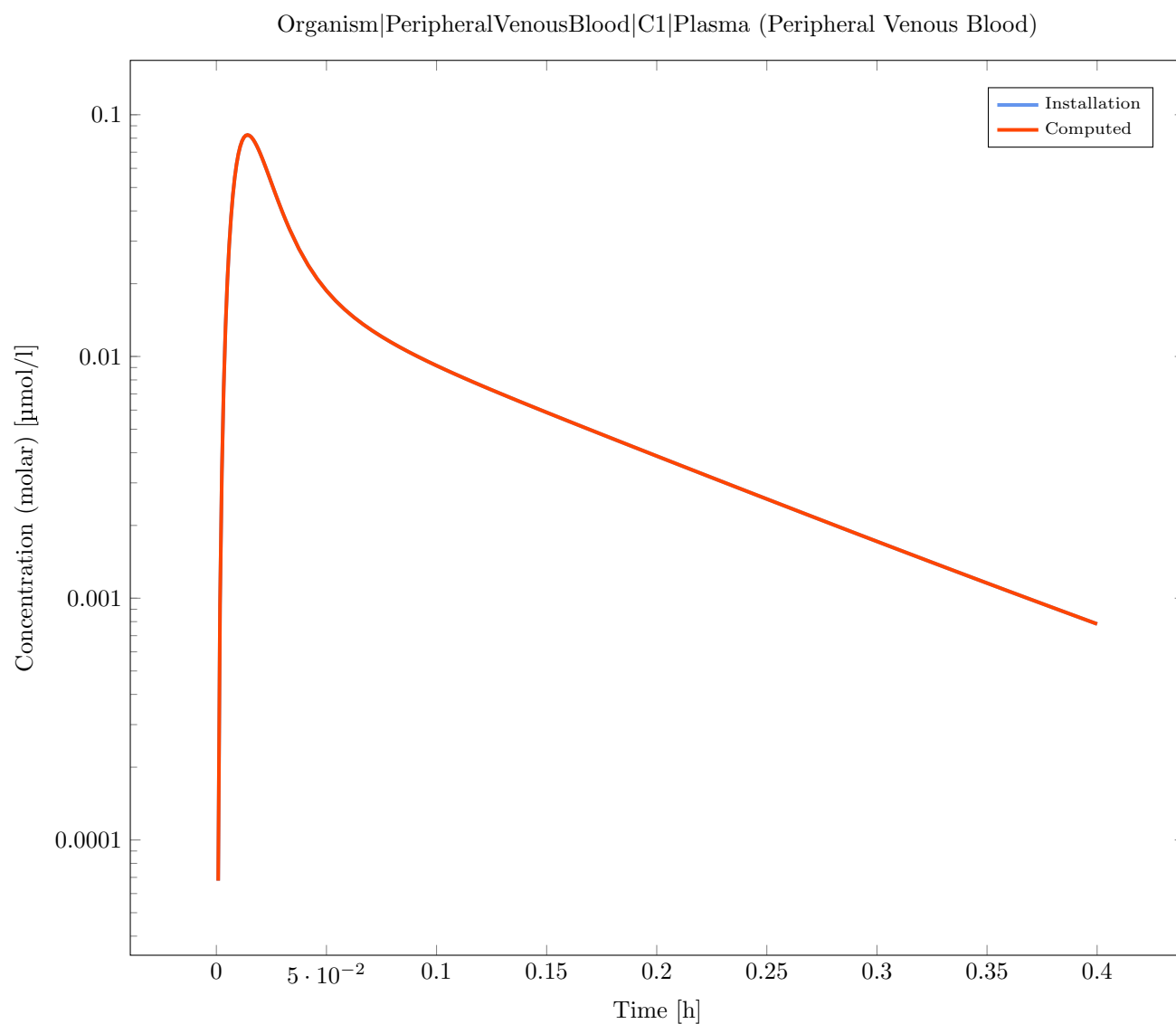


Figure 1.65

**Simulation:** DDI\_MultipleCombinations-25\_1st\_Mechanismbased\_Mechanismbased

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|Clarithromycin|Plasma (Peripheral Venous Blood)

Deviation: 2.03E-4

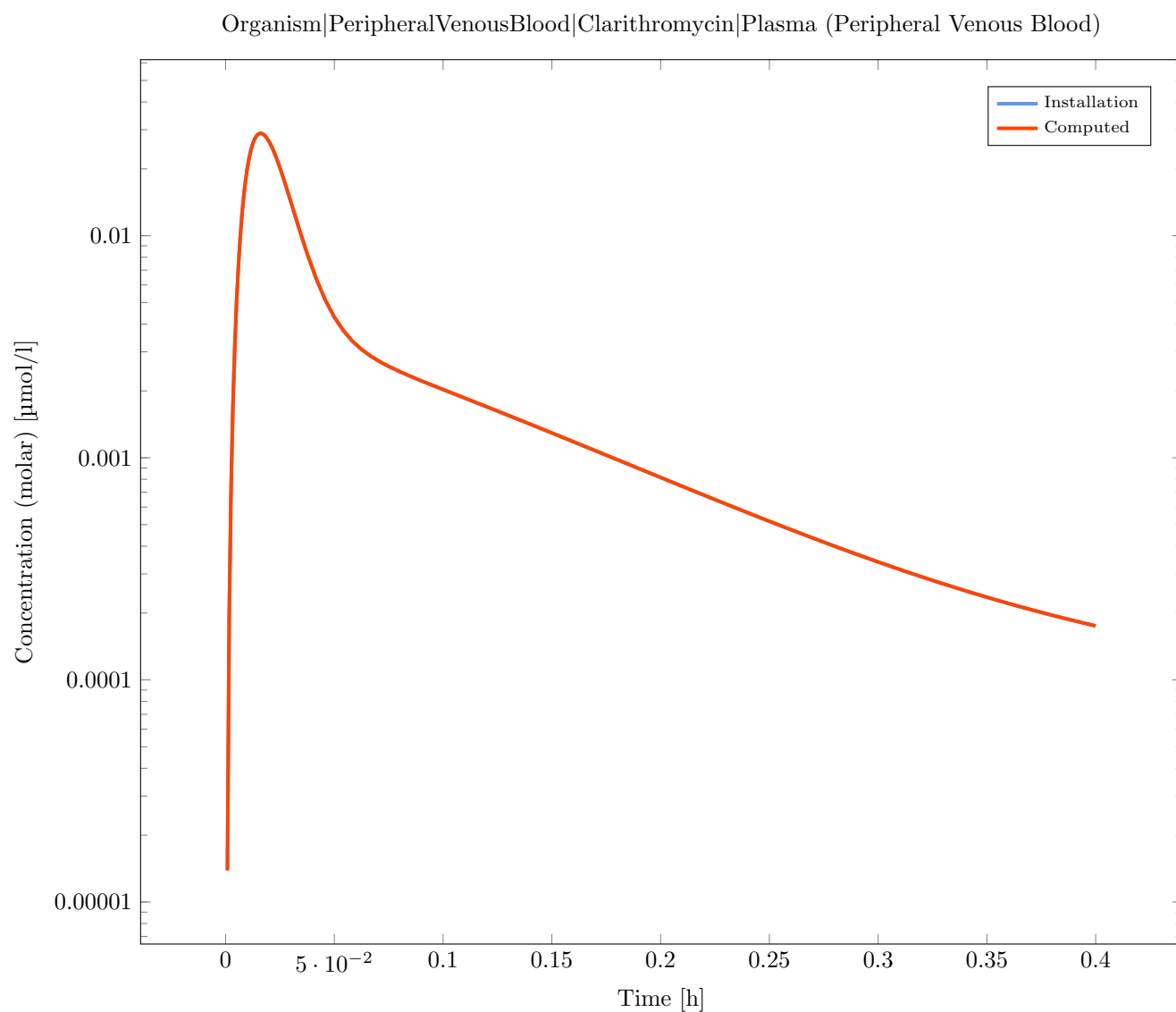


Figure 1.66

**Output Path:** Organism|PeripheralVenousBlood|Erythromycin|Plasma (Peripheral Venous Blood)  
Deviation: 3.62E-4

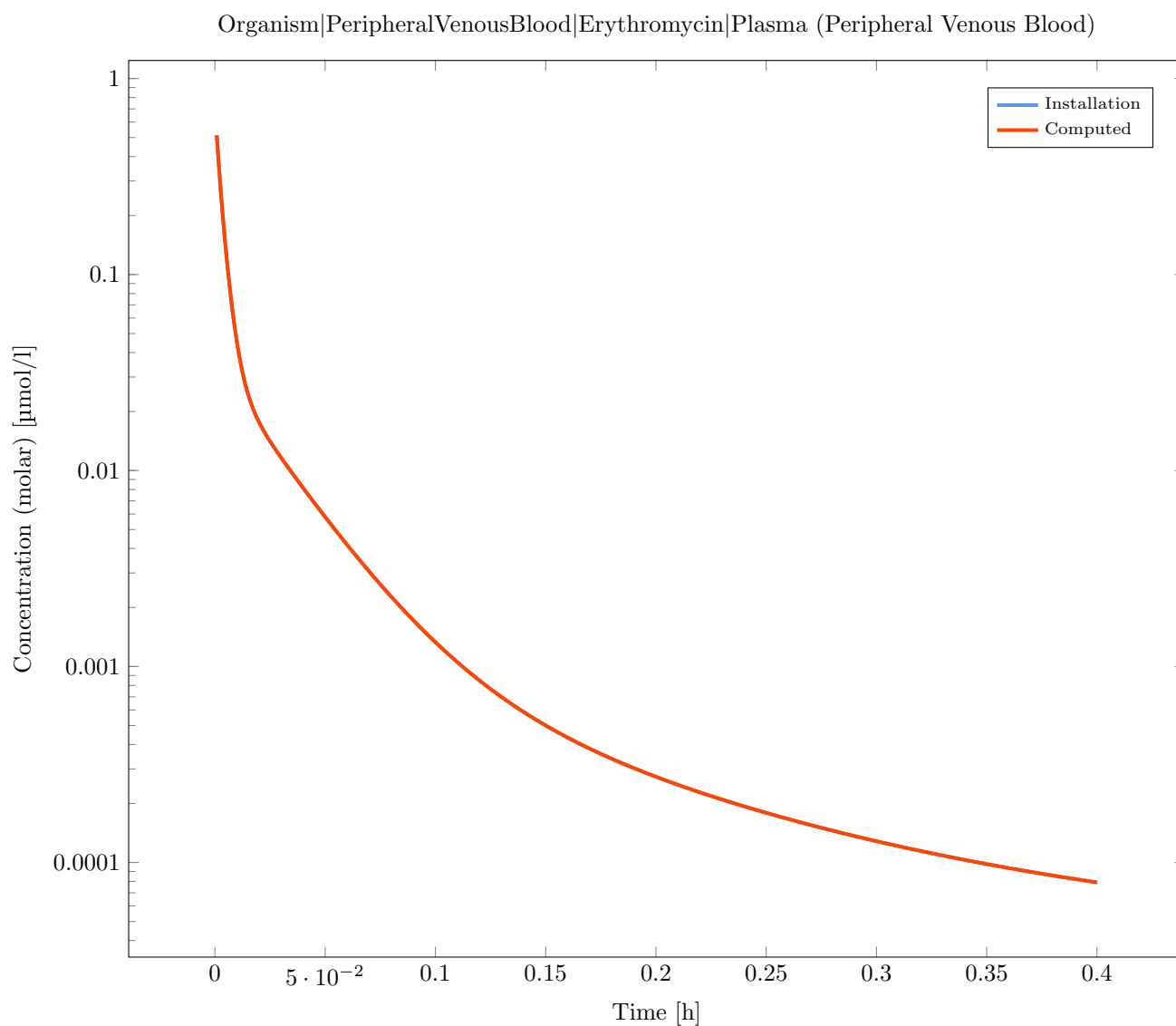


Figure 1.67

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 2.67E-4

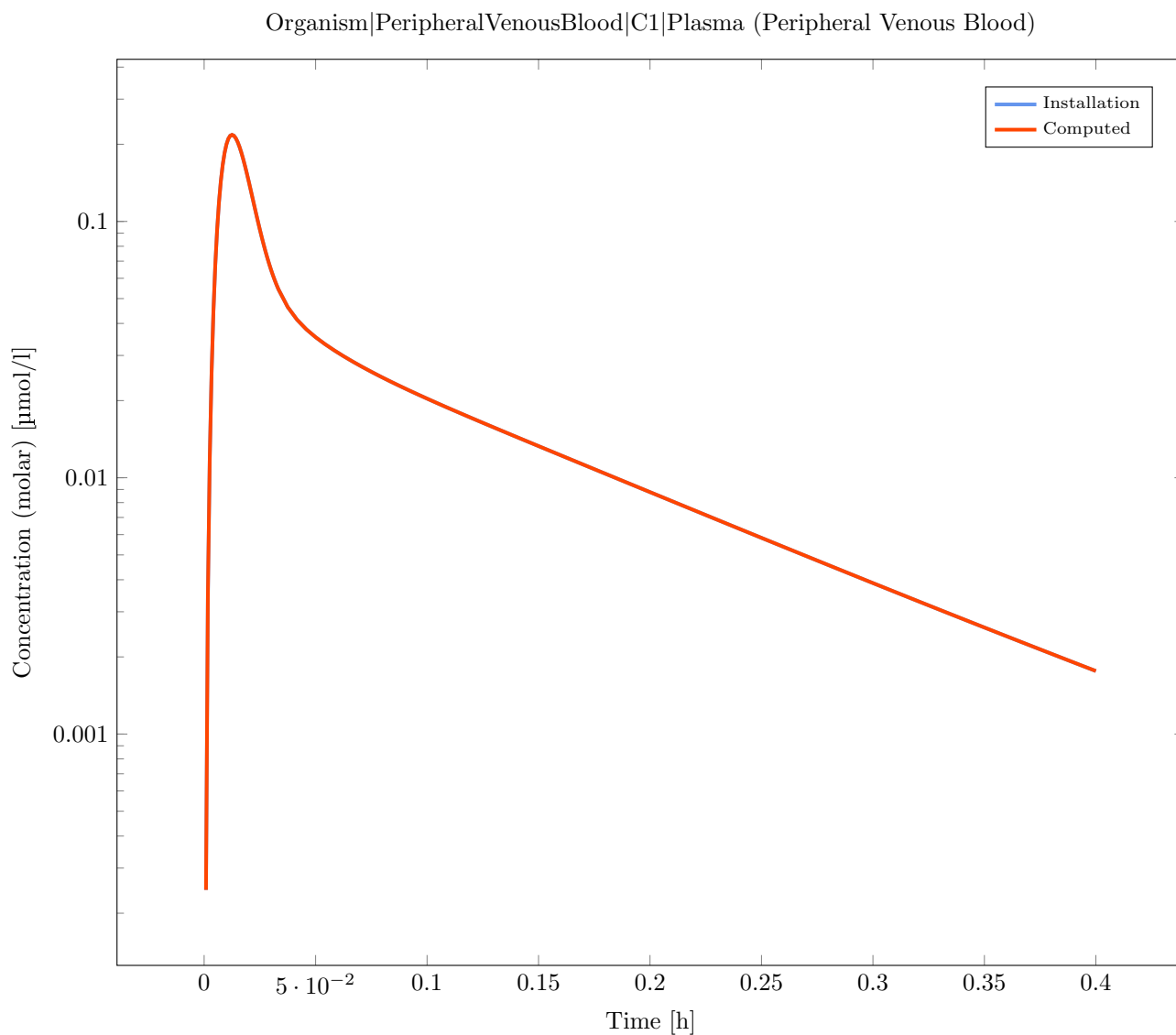


Figure 1.68

**Simulation:** DDI\_MultipleCombinations-26\_1st\_Induction\_Induction

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|Efavirenz|Plasma (Peripheral Venous Blood)

Deviation: 1.75E-4



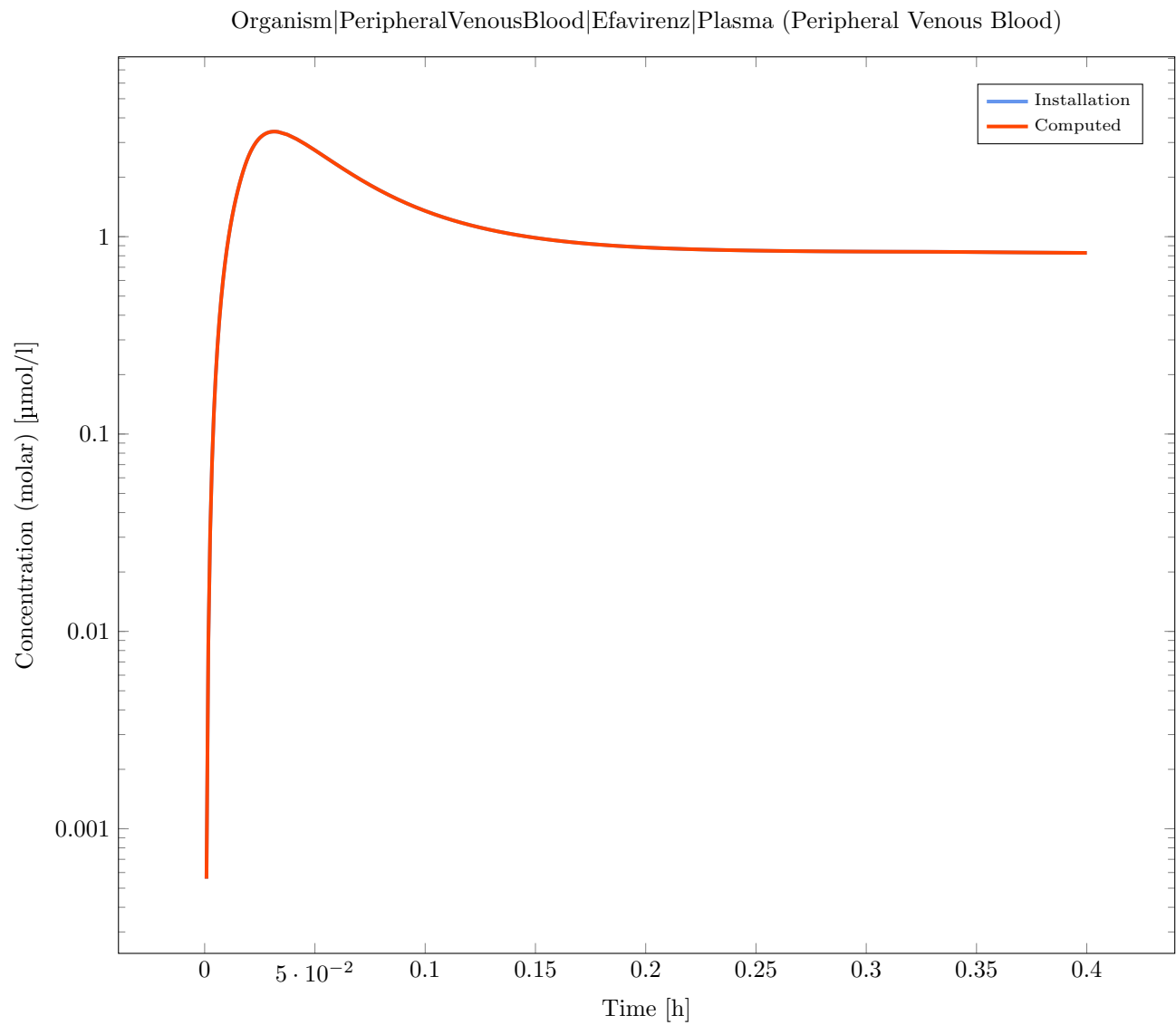


Figure 1.69

**Output Path:** Organism|PeripheralVenousBlood|Rifampicin|Plasma (Peripheral Venous Blood)  
Deviation: 3.68E-4

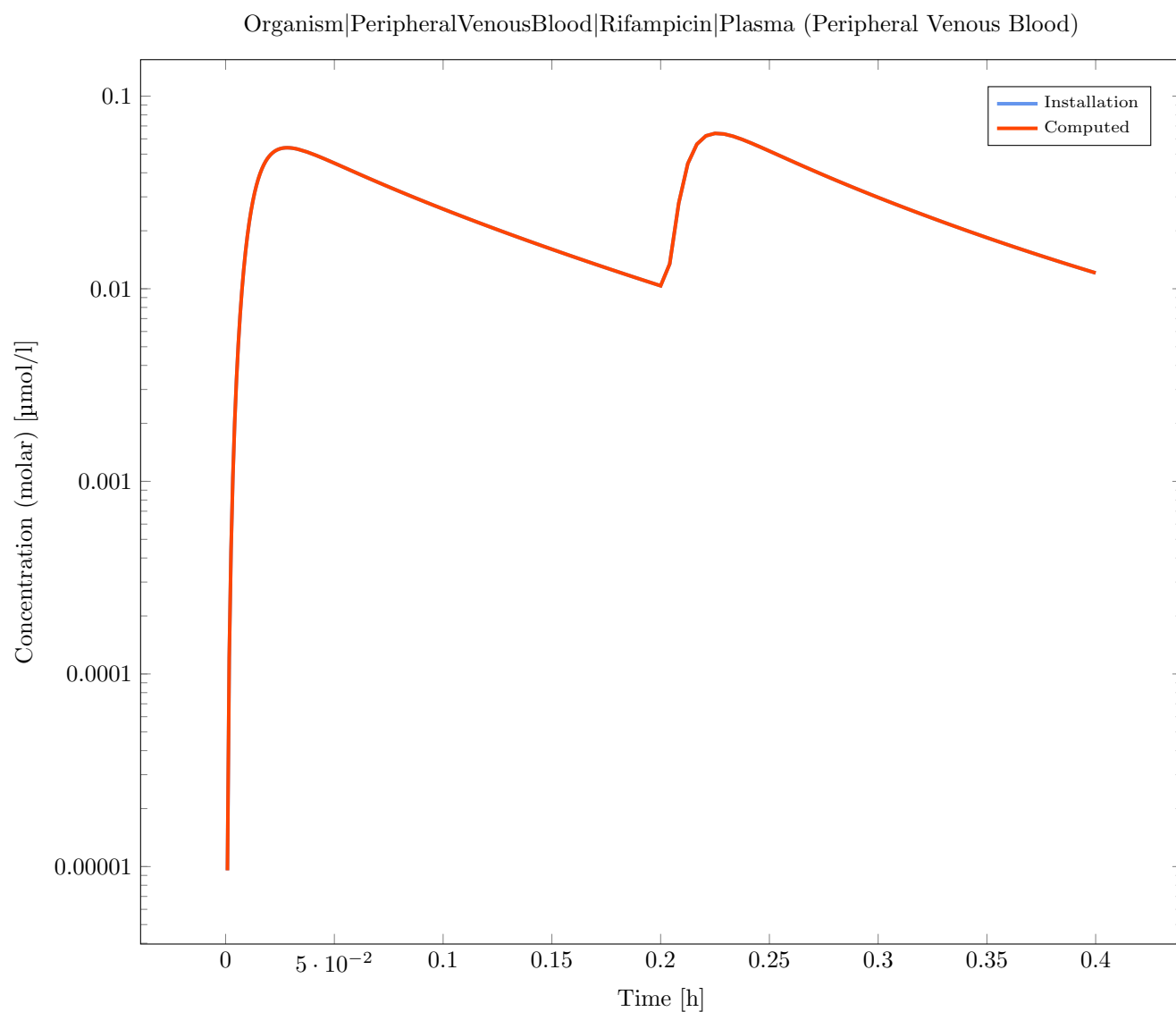


Figure 1.70

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 2.59E-4

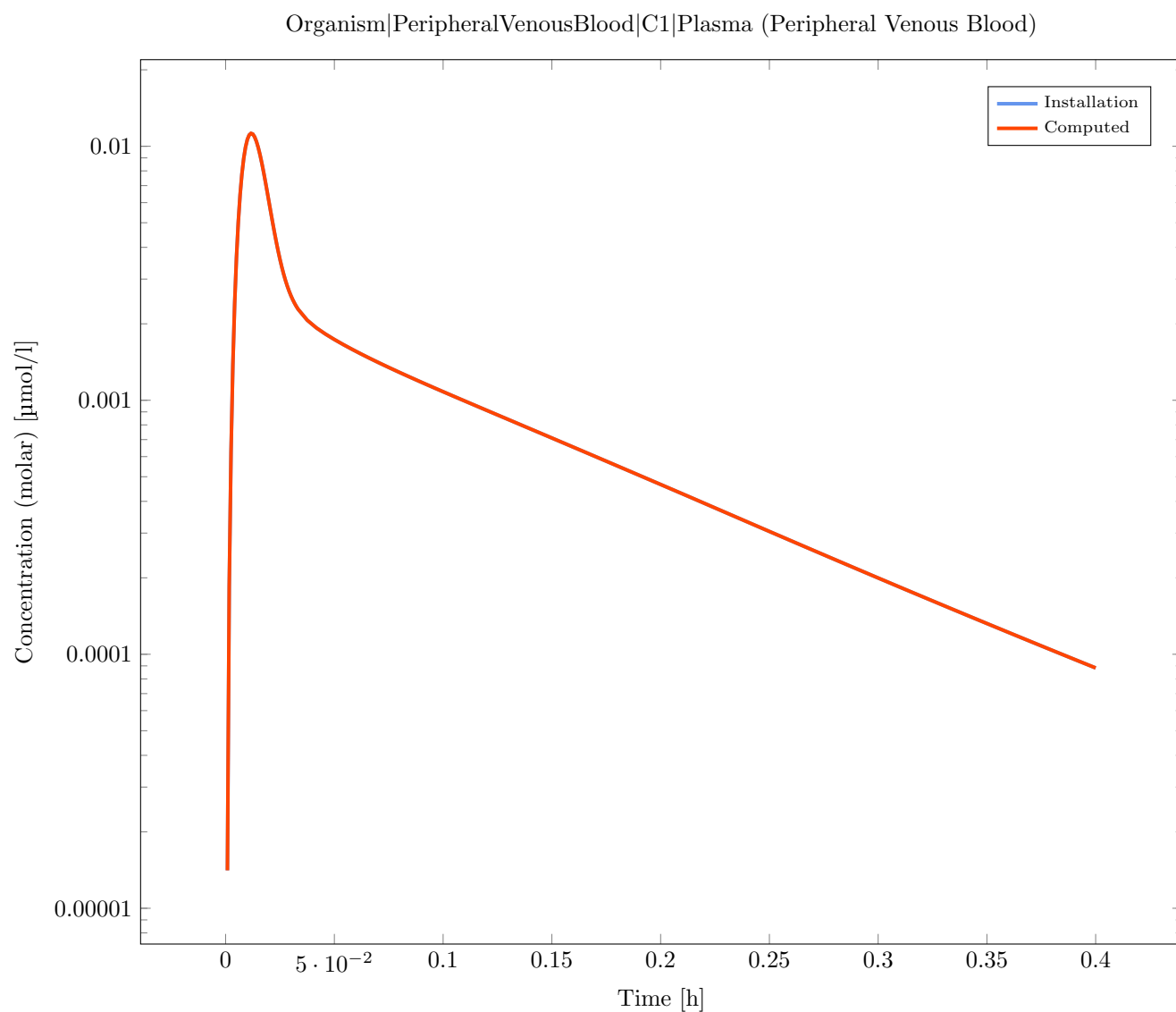


Figure 1.71

**Simulation:** DDI\_MultipleCombinations-27\_1st\_Competitive\_Competitive\_Mechanismbased\_Mechanismbased

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|Clarithromycin|Plasma (Peripheral Venous Blood)

Deviation: 2.11E-4

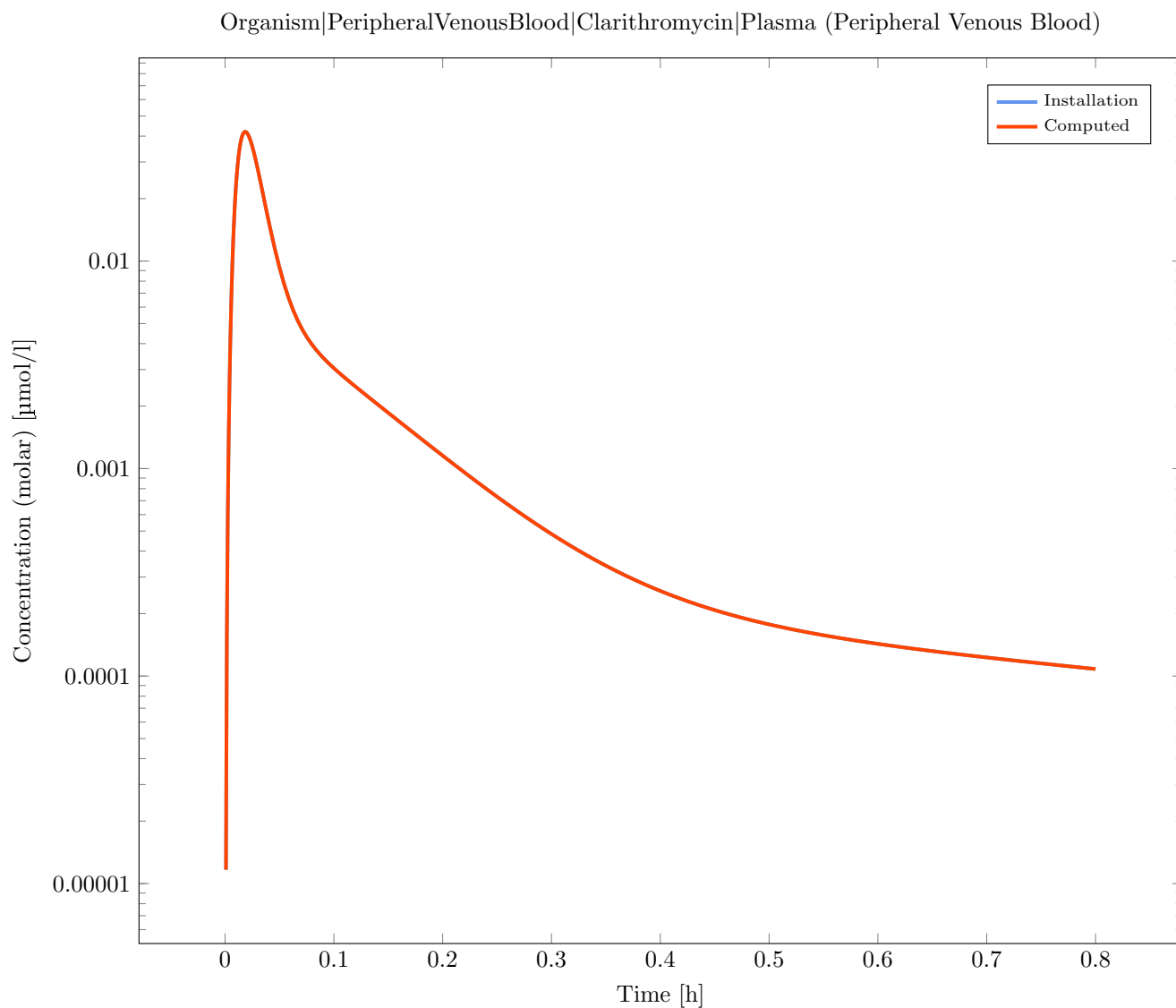


Figure 1.72

**Output Path:** Organism|PeripheralVenousBlood|Erythromycin|Plasma (Peripheral Venous Blood)  
Deviation: 5.99E-4

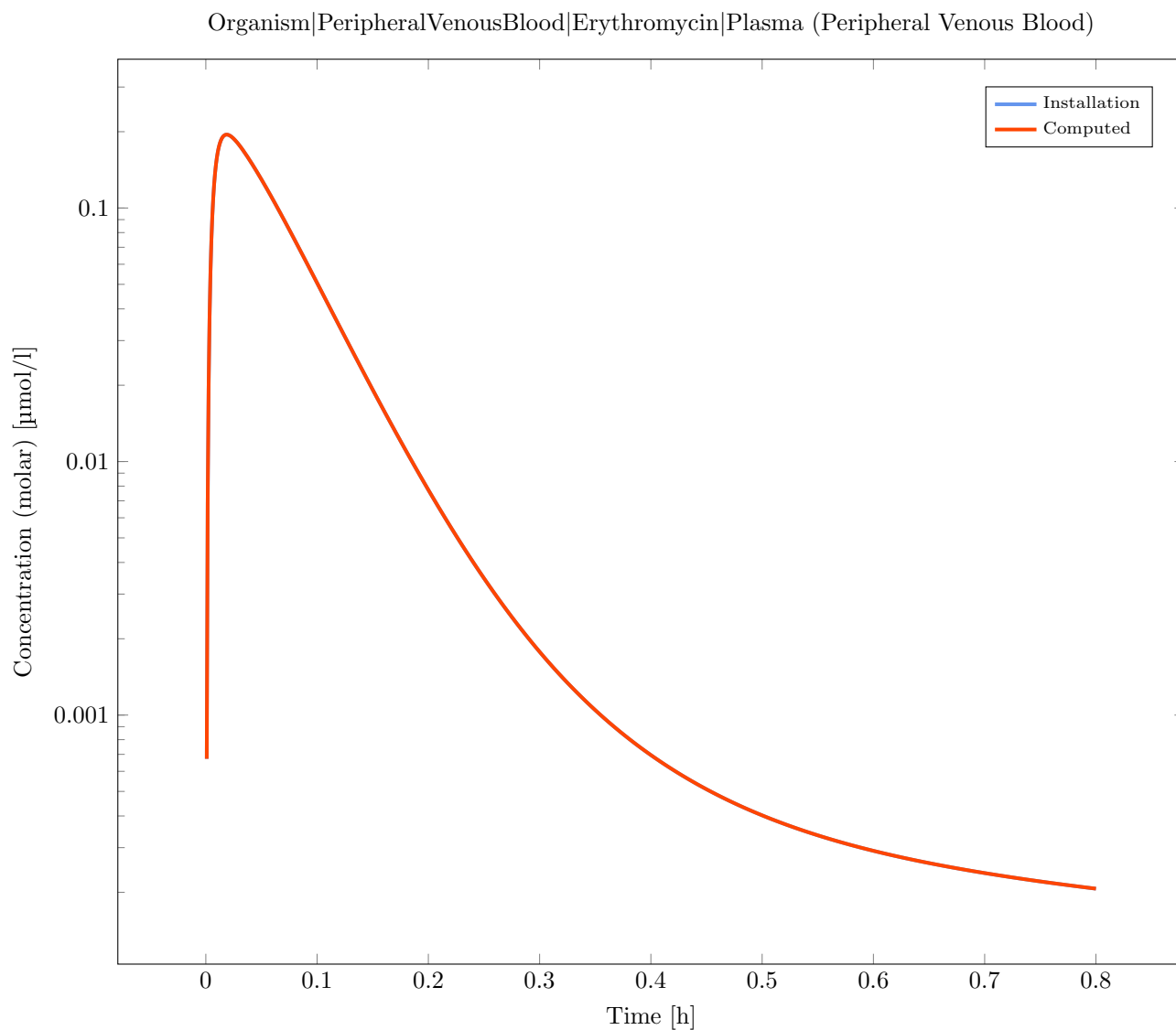


Figure 1.73

**Output Path:** Organism|PeripheralVenousBlood|Itraconazole|Plasma (Peripheral Venous Blood)  
Deviation: 3.28E-4

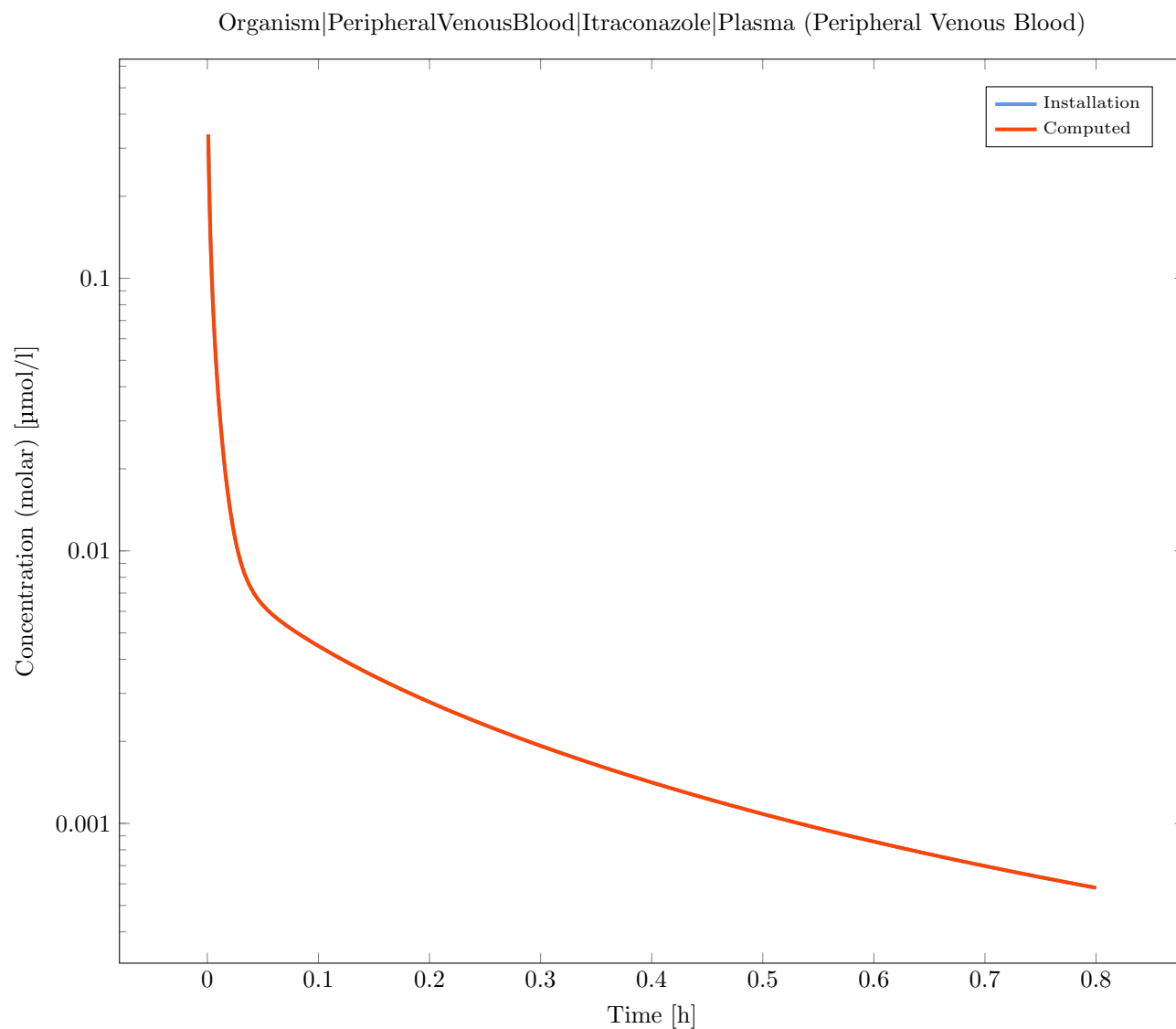


Figure 1.74

**Output Path:** Organism|PeripheralVenousBlood|Rifampicin|Plasma (Peripheral Venous Blood)  
Deviation: 4.68E-4

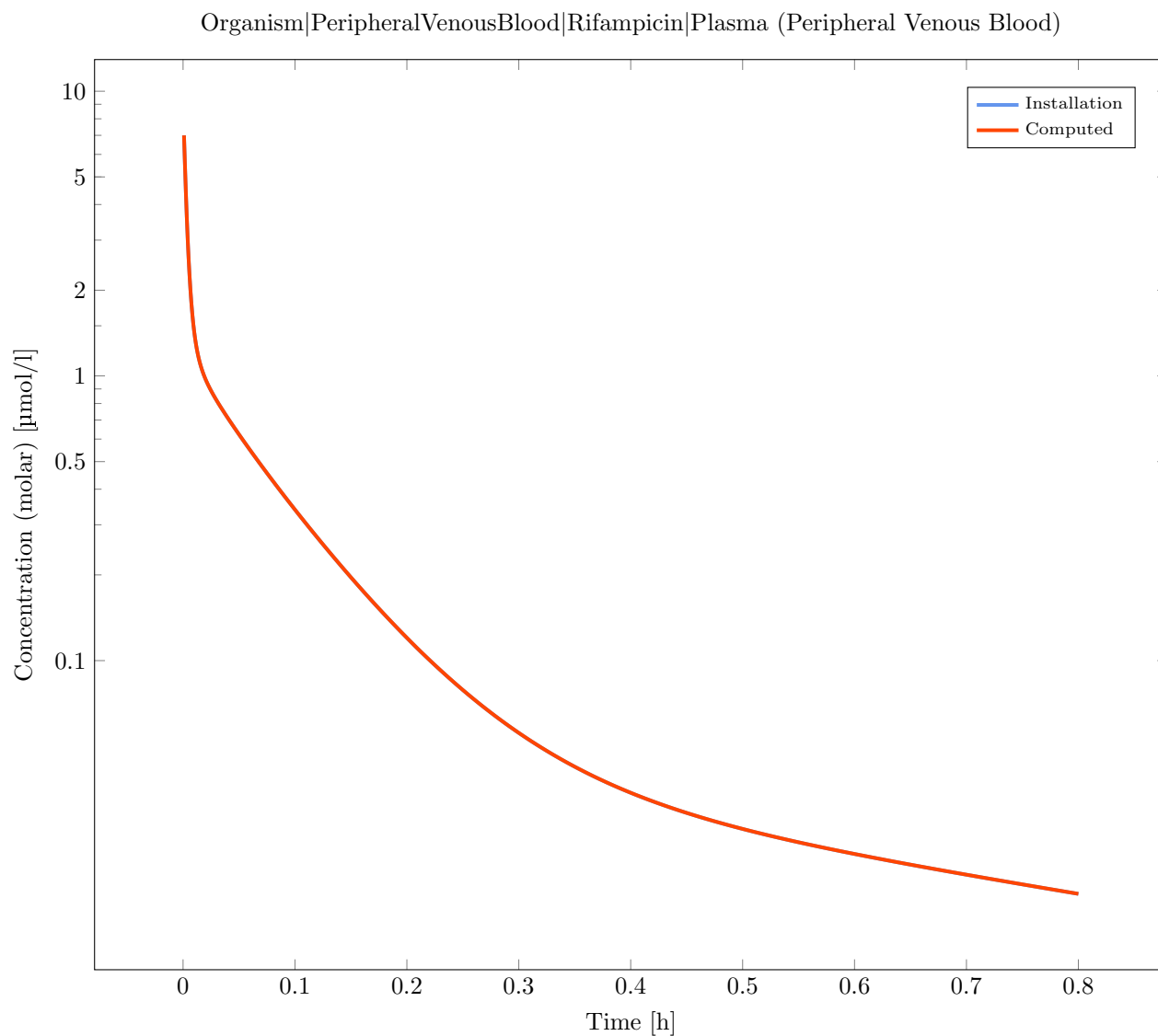


Figure 1.75

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 2.88E-4

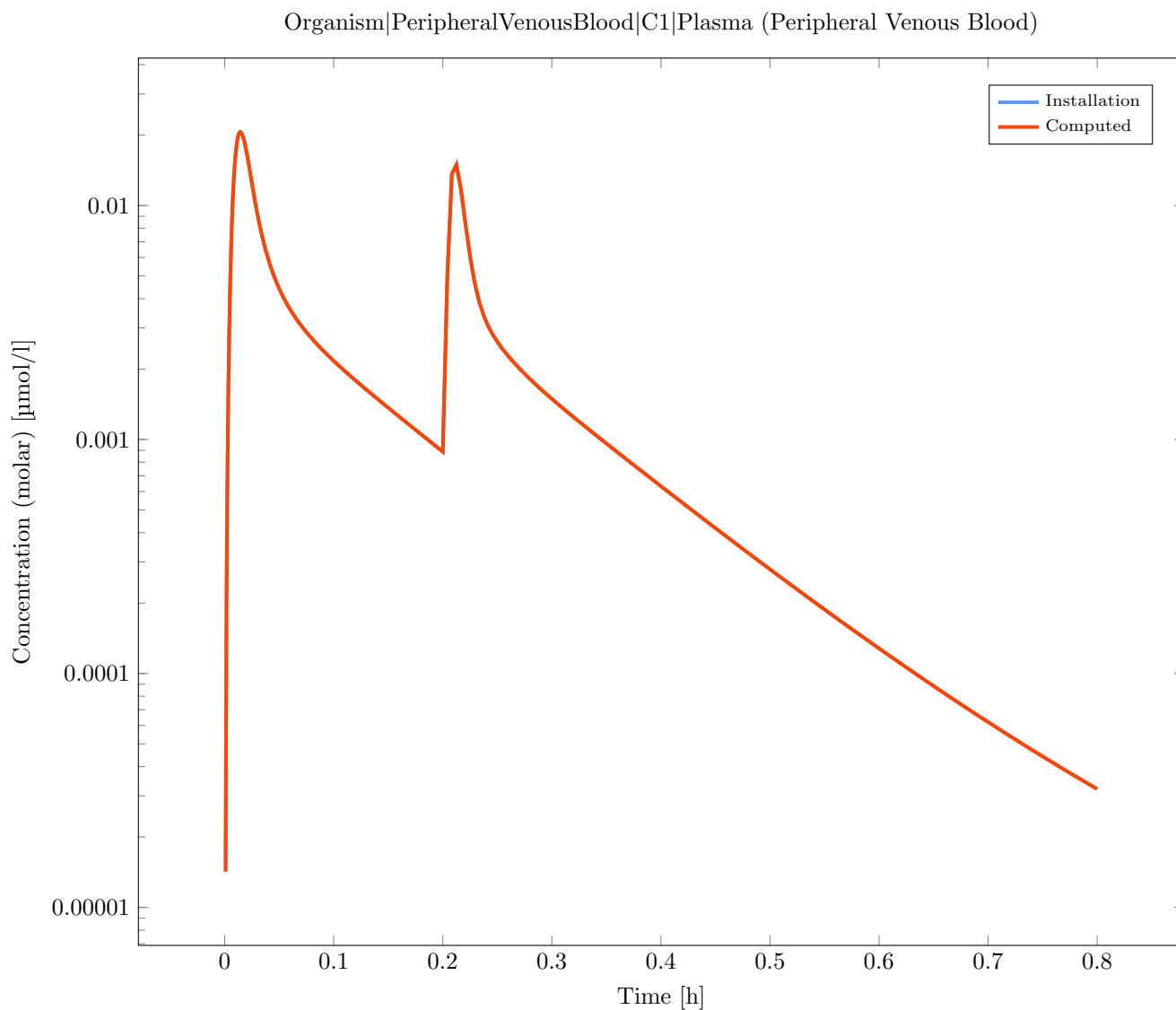


Figure 1.76

**Simulation:** DDI\_MultipleCombinations-28\_1st\_Uncompetitive\_Uncompetitive\_Mechanismbased\_-Mechanismbased

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_4|Plasma (Peripheral Venous Blood)

Deviation: 5.99E-4



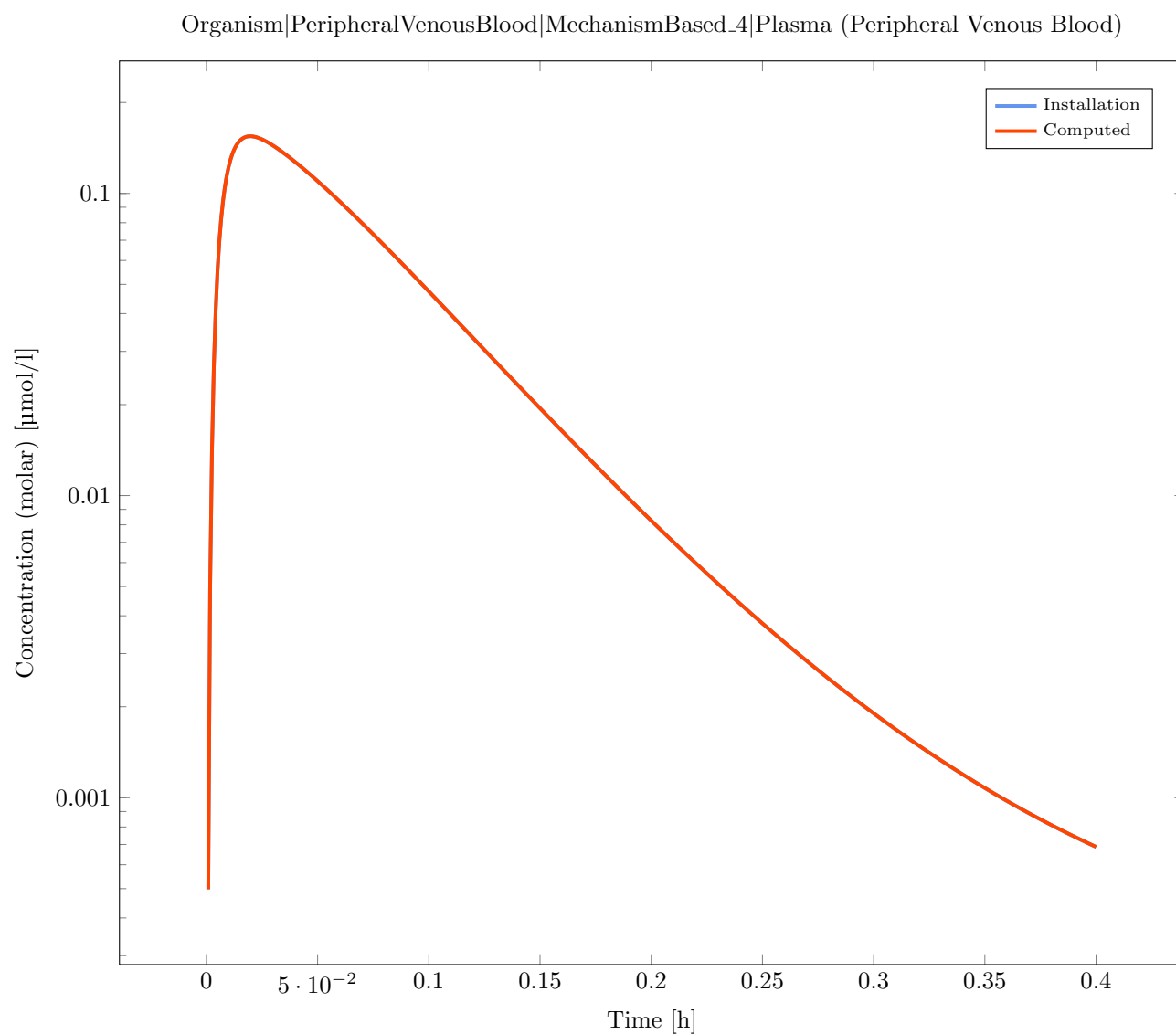


Figure 1.77

**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_3|Plasma (Peripheral Venous Blood)

Deviation: 3.67E-4

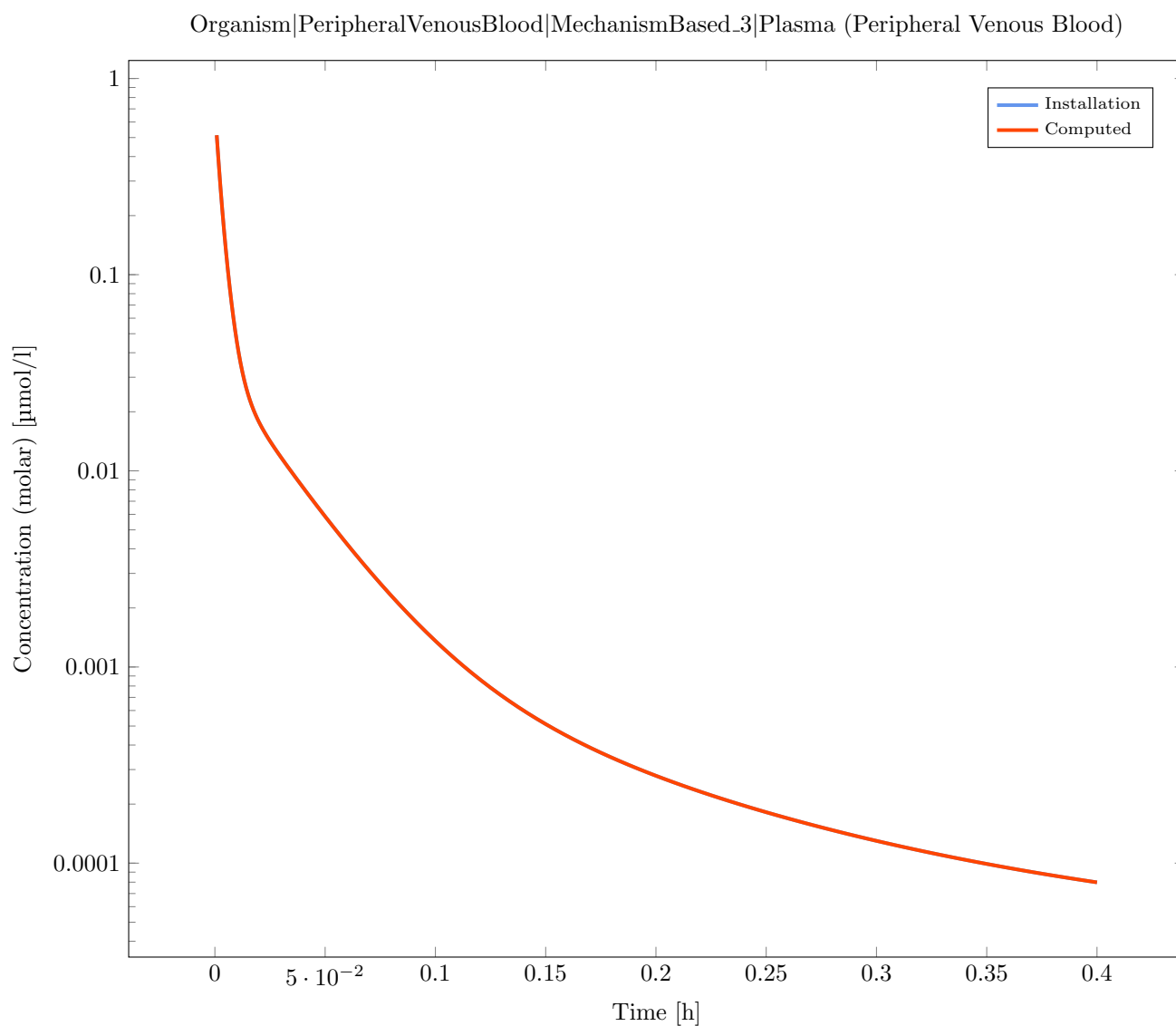
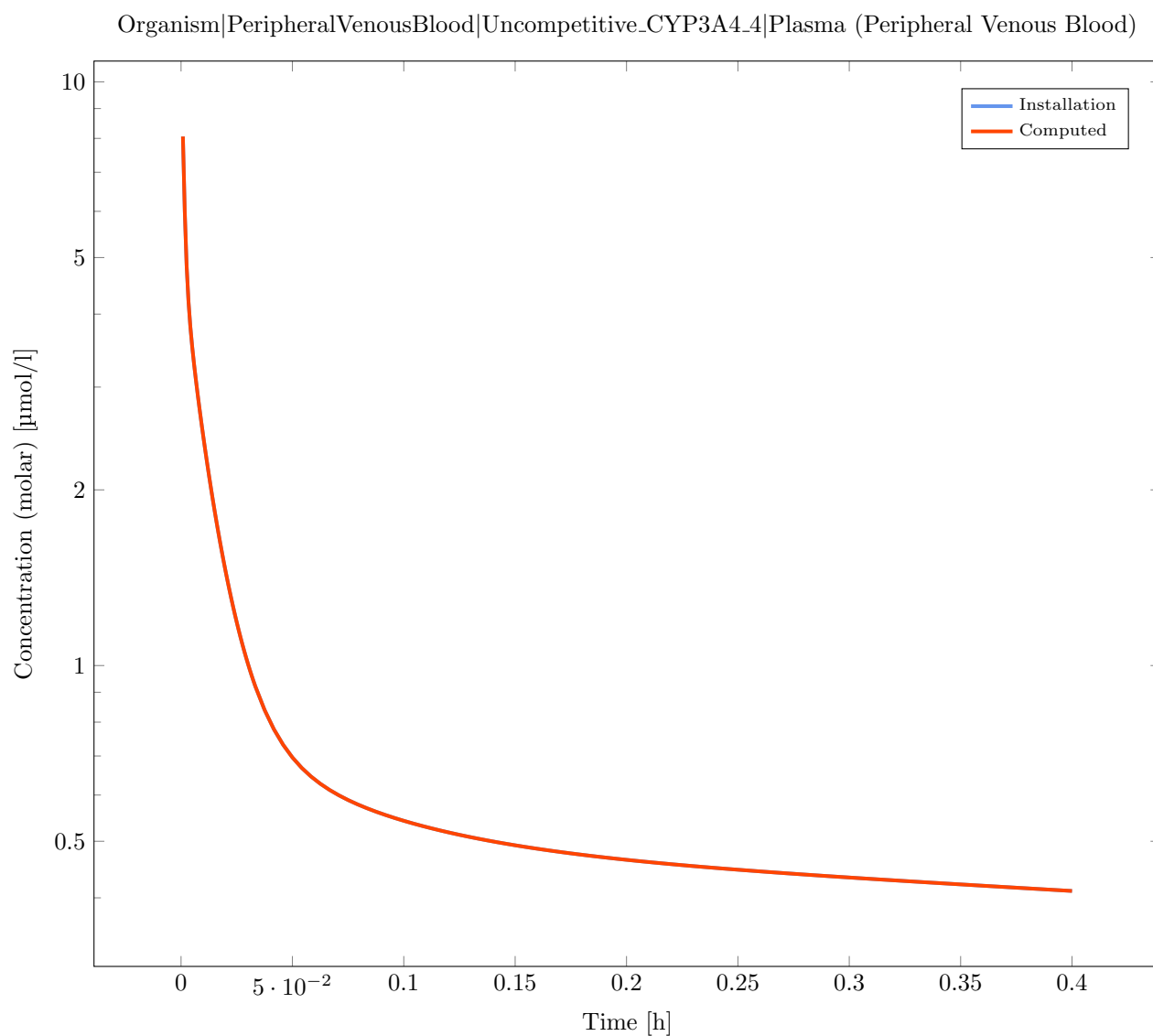


Figure 1.78

**Output Path:** Organism|PeripheralVenousBlood|Uncompetitive\_CYP3A4\_4|Plasma (Peripheral Venous Blood)

Deviation: 5.72E-5

**Figure 1.79**

**Output Path:** Organism|PeripheralVenousBlood|Uncompetitive\_CYP3A4\_3|Plasma (Peripheral Venous Blood)

Deviation: 1.14E-4

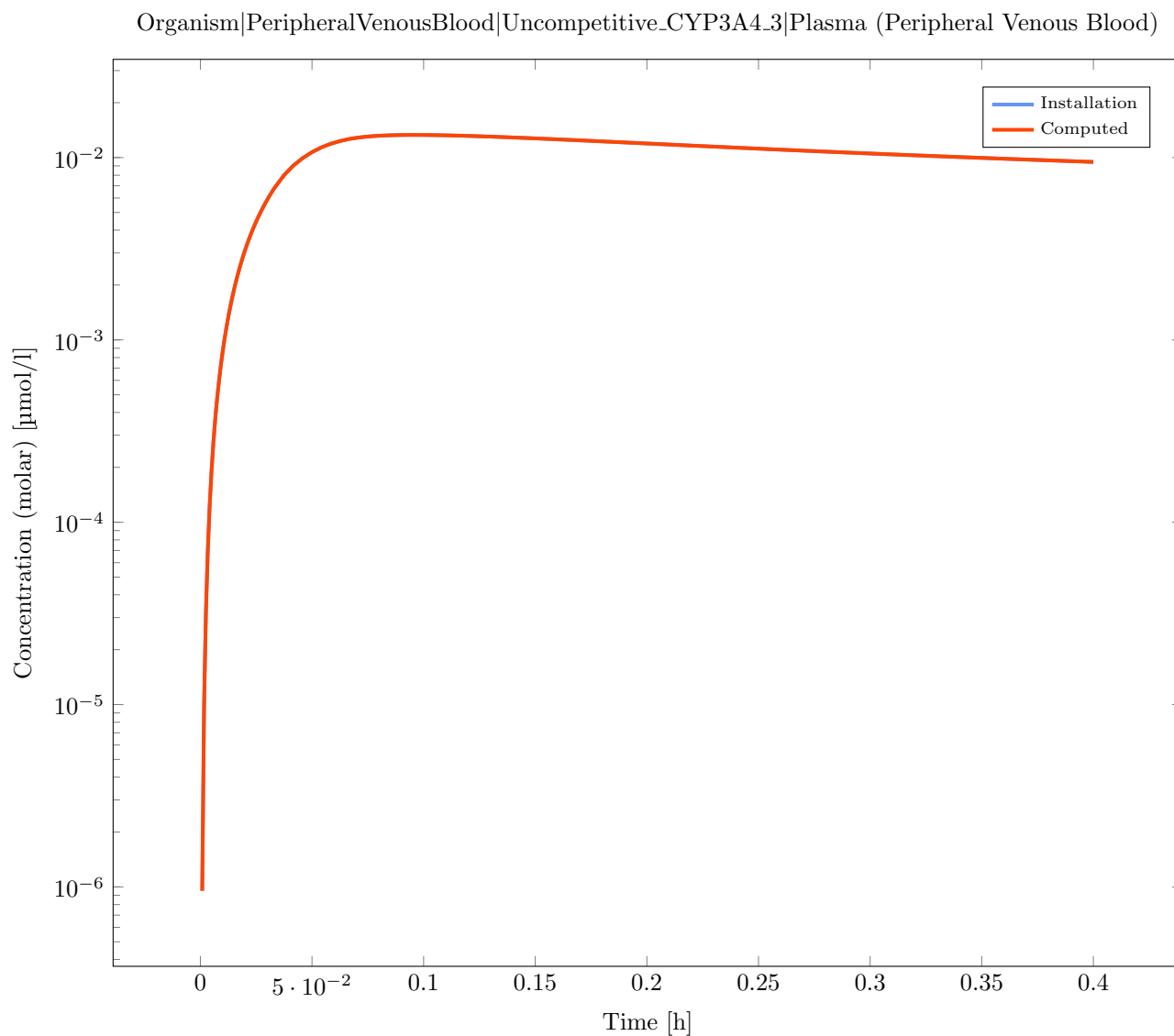


Figure 1.80

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 5.07E-4

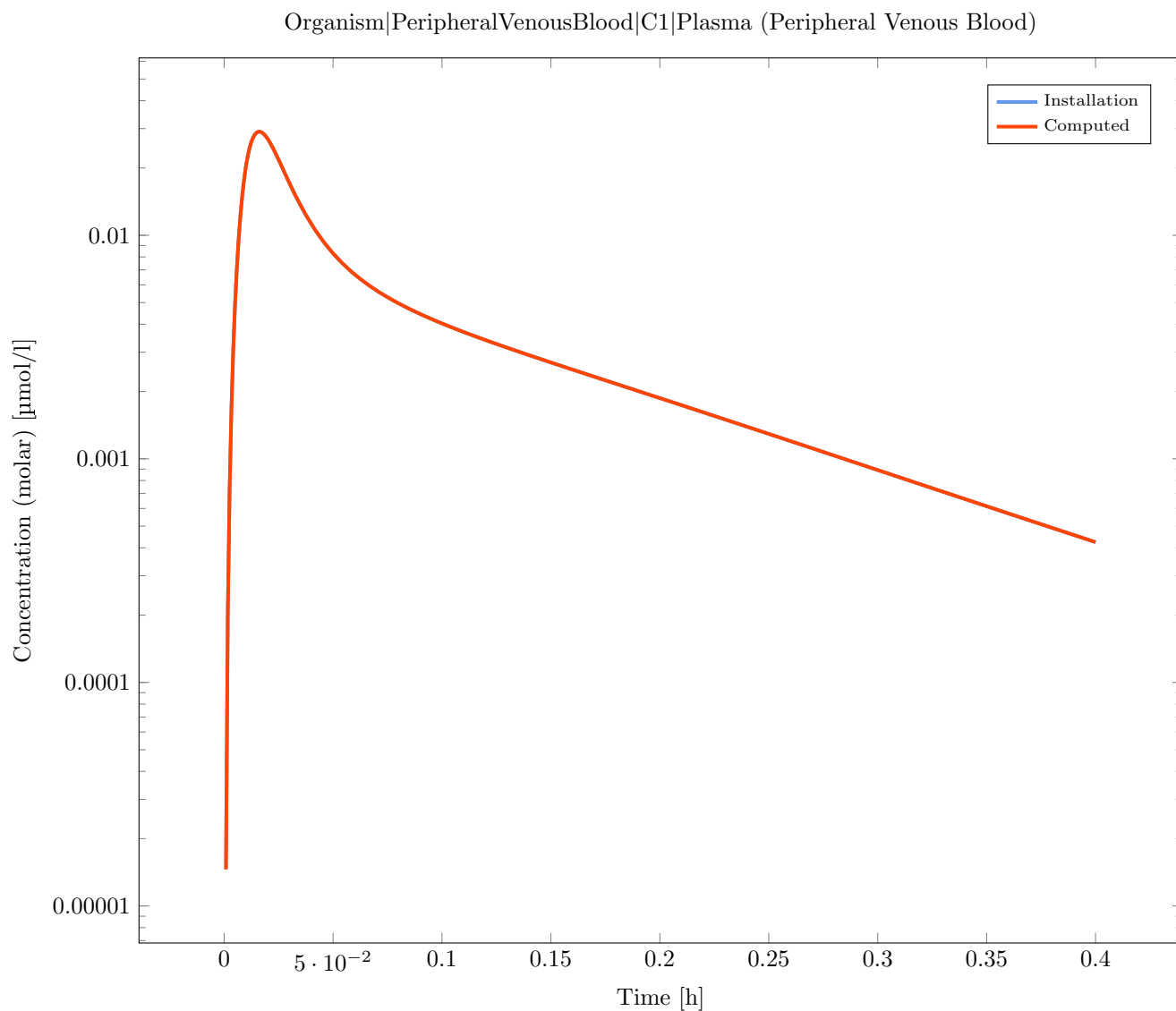


Figure 1.81

**Simulation:** DDI\_MultipleCombinations-29\_1st\_Noncompetitive\_Noncompetitive\_Mechanismbased\_-Mechanismbased

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 2.87E-4

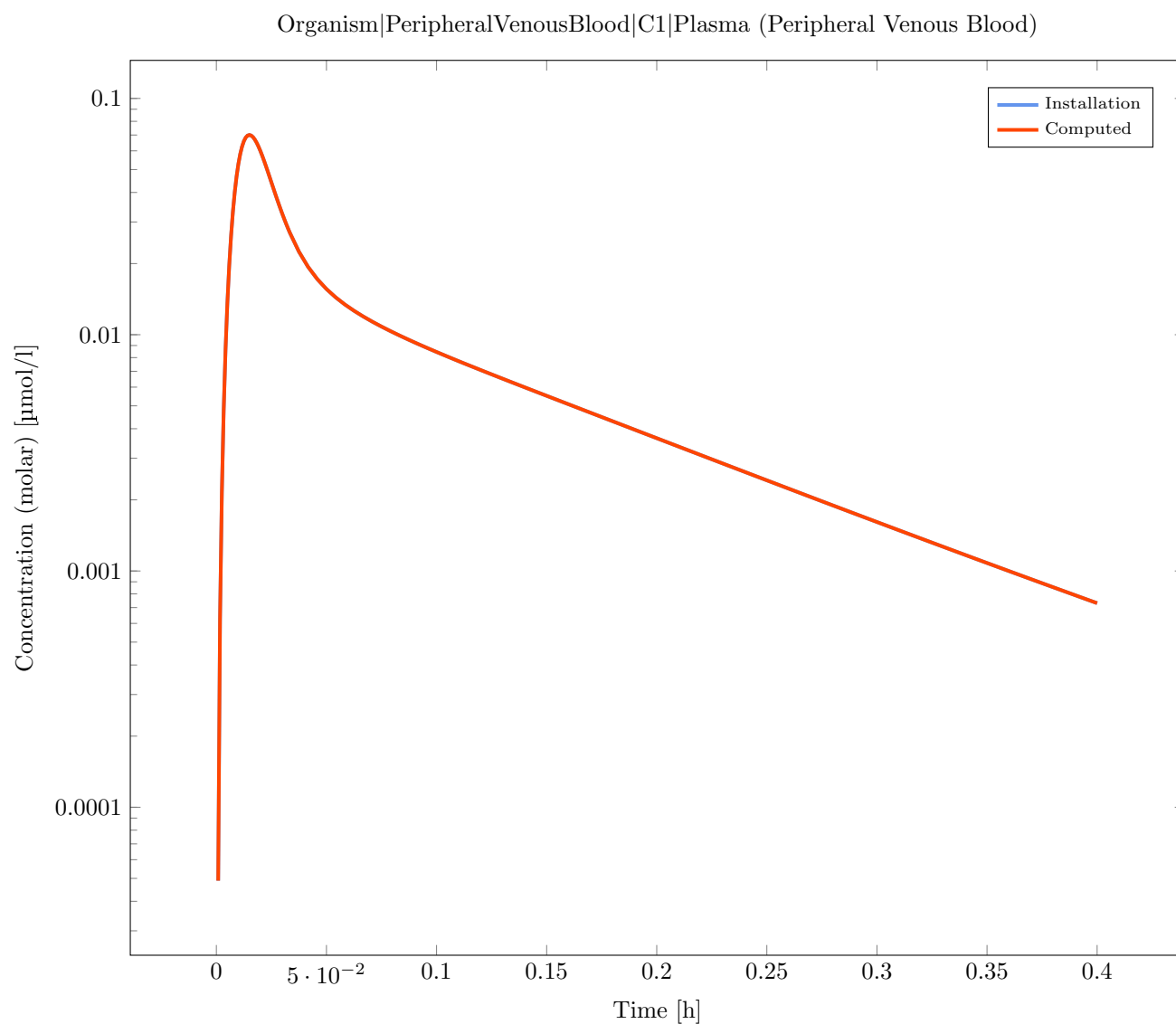


Figure 1.82

**Output Path:** Organism|PeripheralVenousBlood|Clarithromycin|Plasma (Peripheral Venous Blood)  
Deviation: 2.47E-4

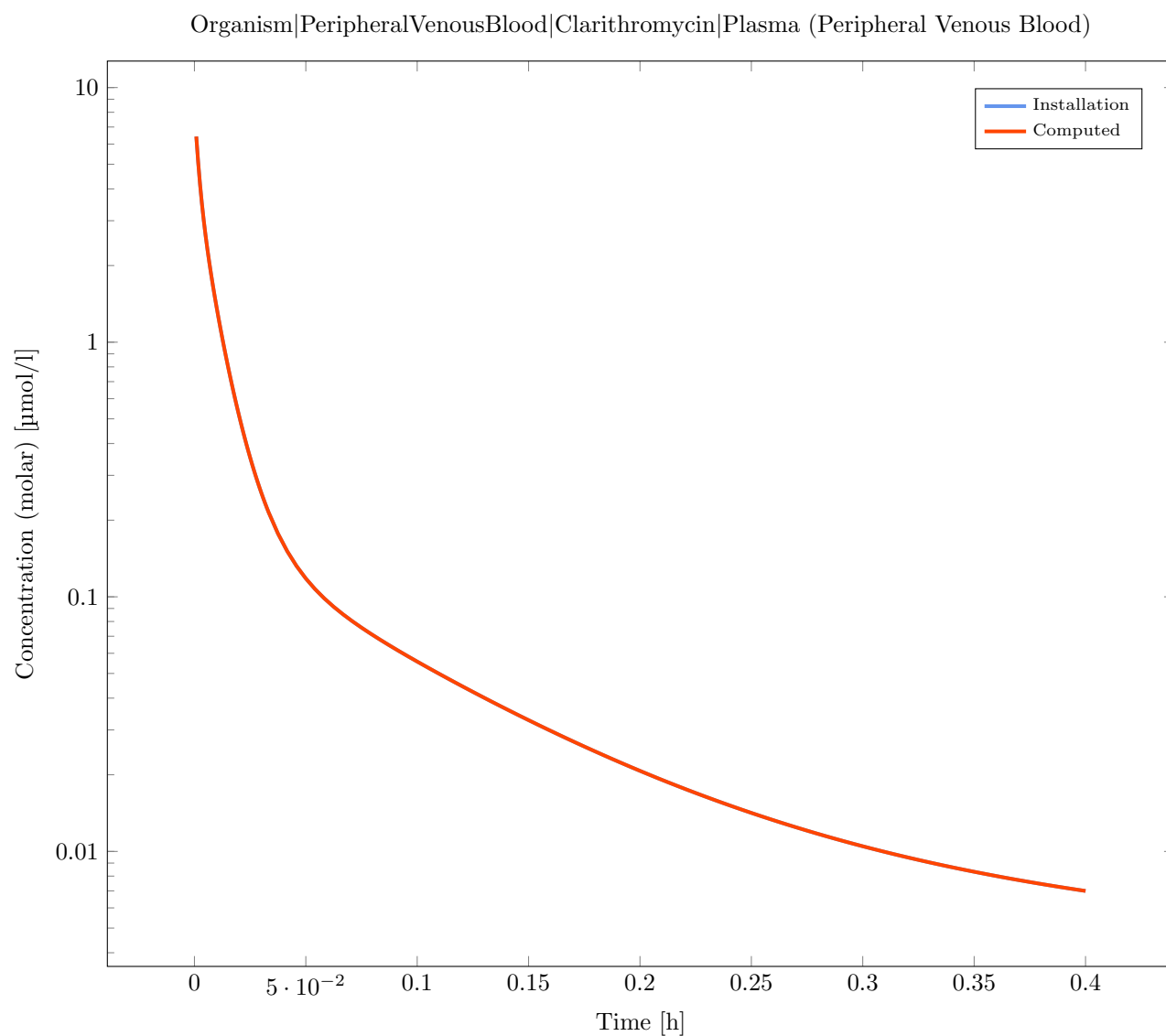


Figure 1.83

**Output Path:** Organism|PeripheralVenousBlood|Erythromycin|Plasma (Peripheral Venous Blood)  
Deviation: 5.66E-4

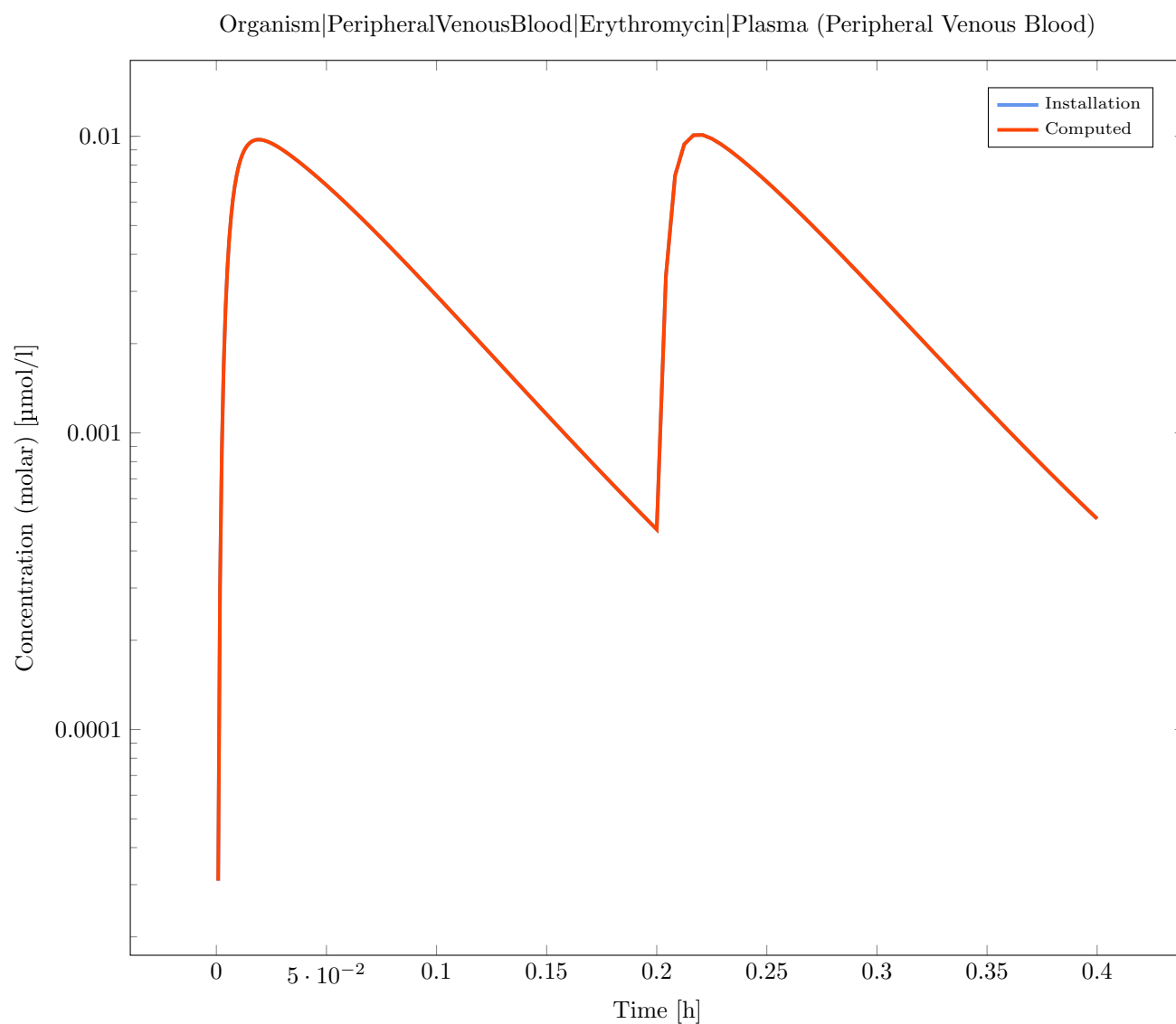


Figure 1.84

**Output Path:** Organism|PeripheralVenousBlood|Noncompetitive\_CYP3A4\_1|Plasma (Peripheral Venous Blood)

Deviation: 3.19E-4



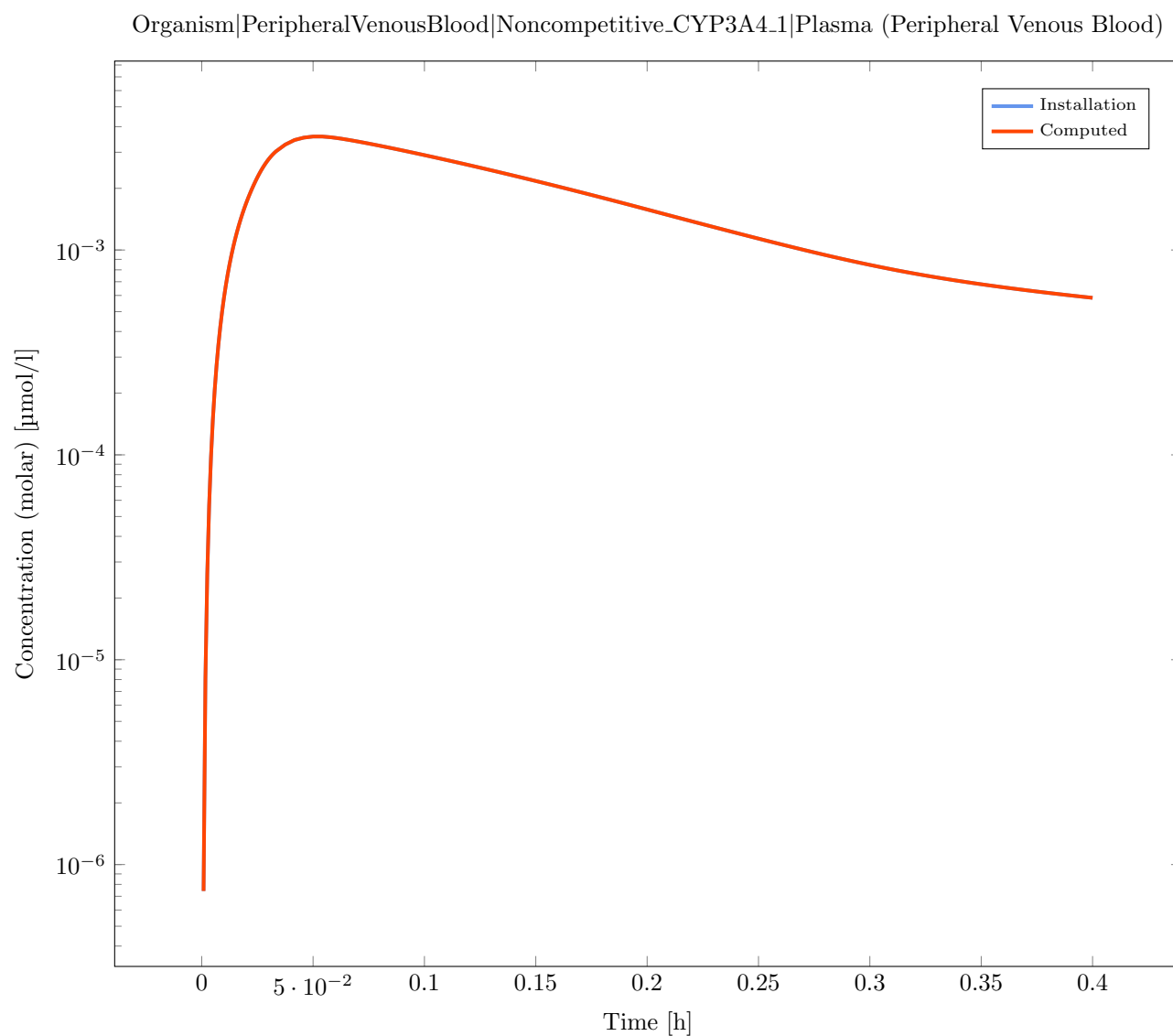


Figure 1.85

**Output Path:** Organism|PeripheralVenousBlood|Noncompetitive\_CYP3A4\_2|Plasma (Peripheral Venous Blood)

Deviation: 3.27E-4

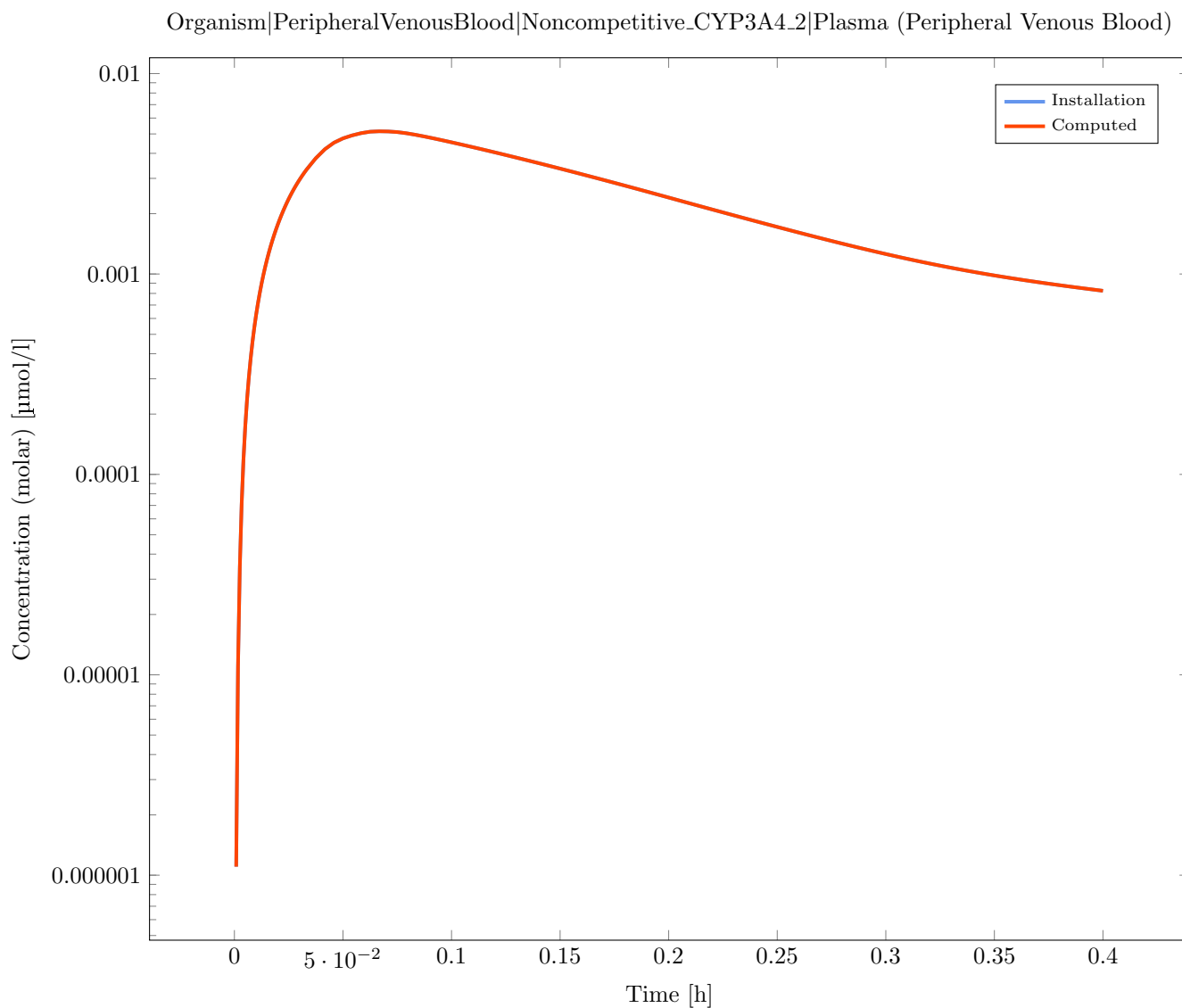


Figure 1.86

**Simulation:** DDI\_MultipleCombinations-30\_1st\_Mixed\_Mixed\_Mechanismbased\_Mechanismbased

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_4|Plasma (Peripheral Venous Blood)

Deviation: 5.63E-4

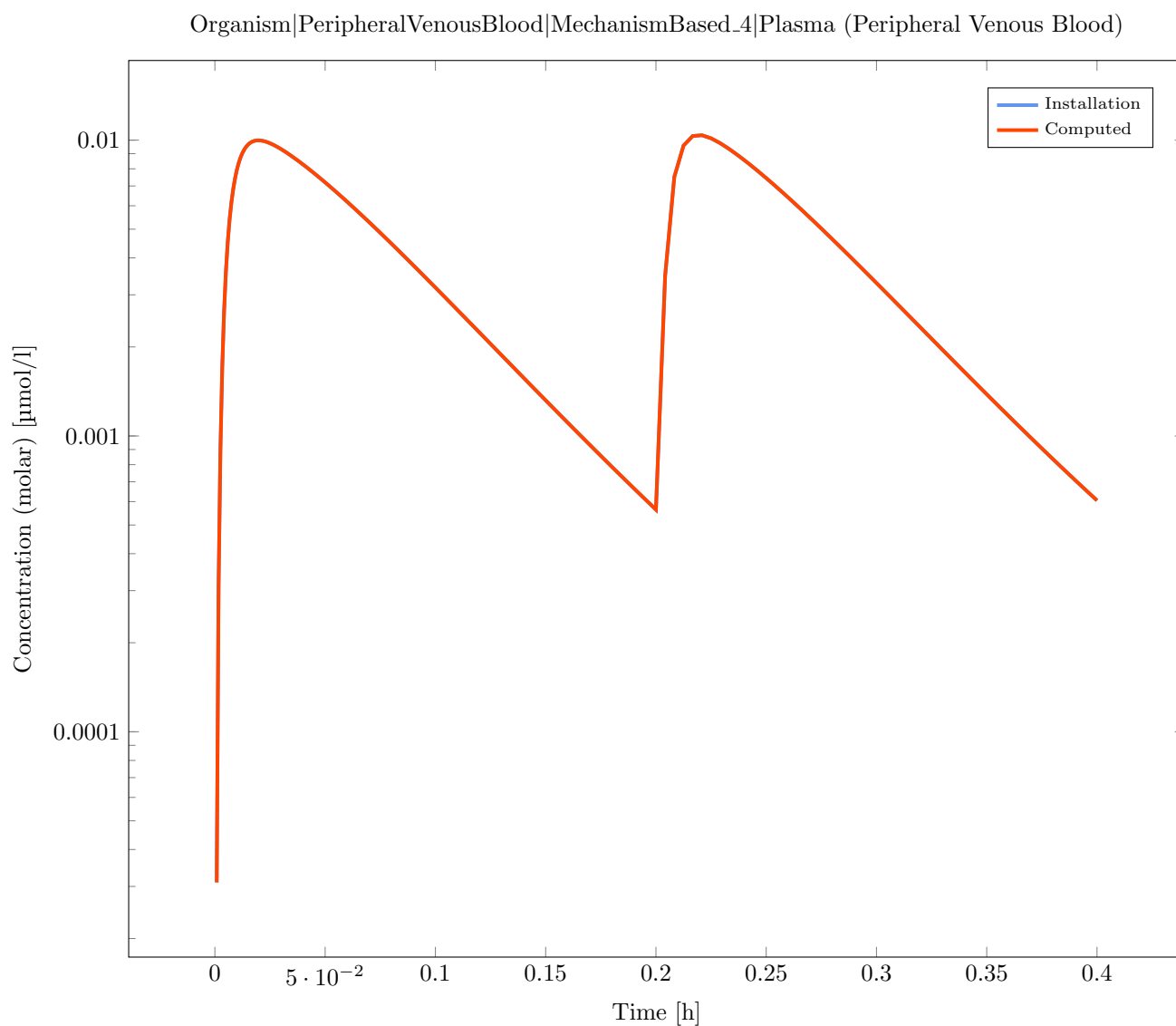


Figure 1.87

**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_3|Plasma (Peripheral Venous Blood)

Deviation: 5.34E-4

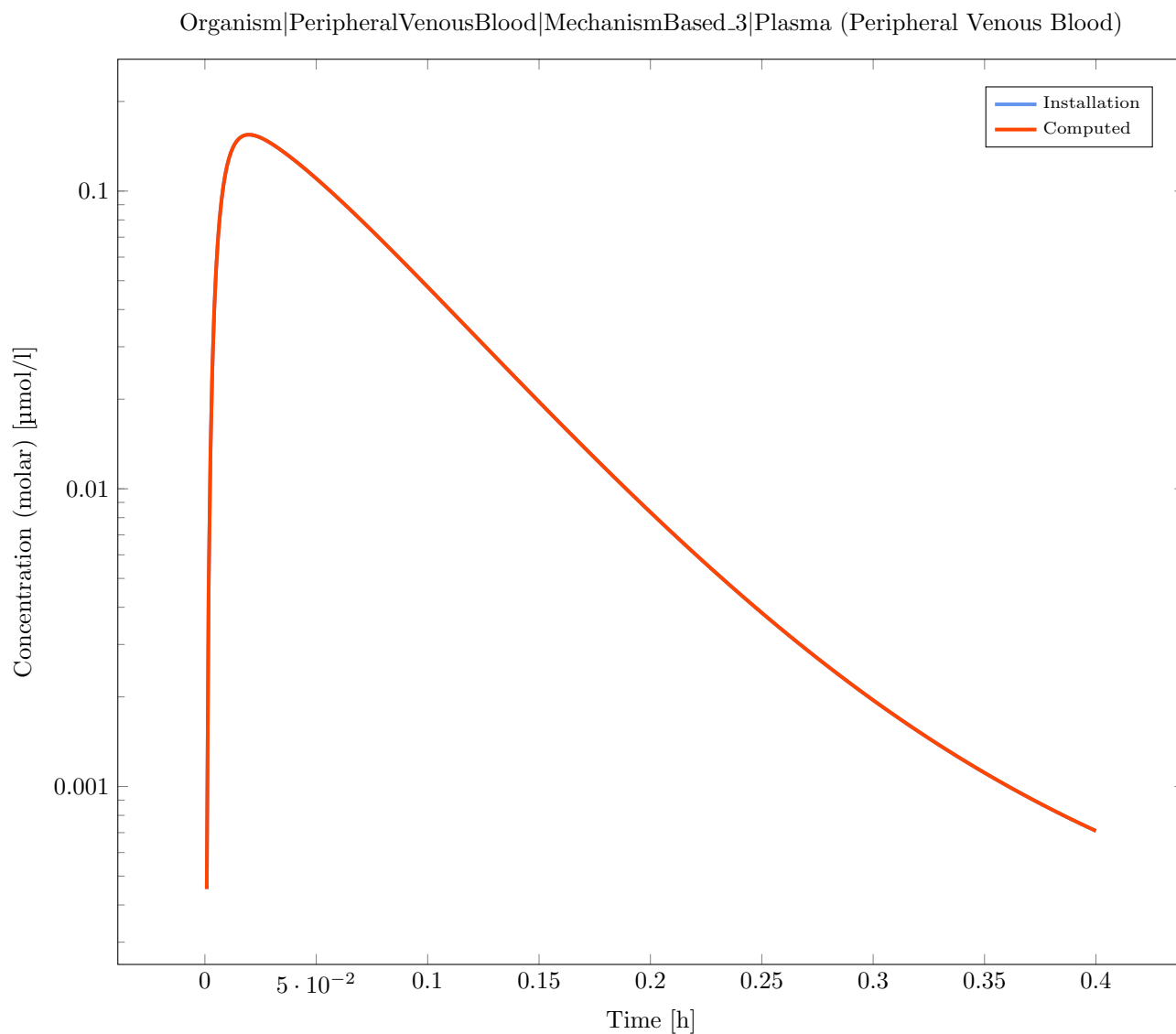


Figure 1.88

**Output Path:** Organism|PeripheralVenousBlood|Mixed\_CYP3A4\_4|Plasma (Peripheral Venous Blood)

Deviation: 1.10E-4

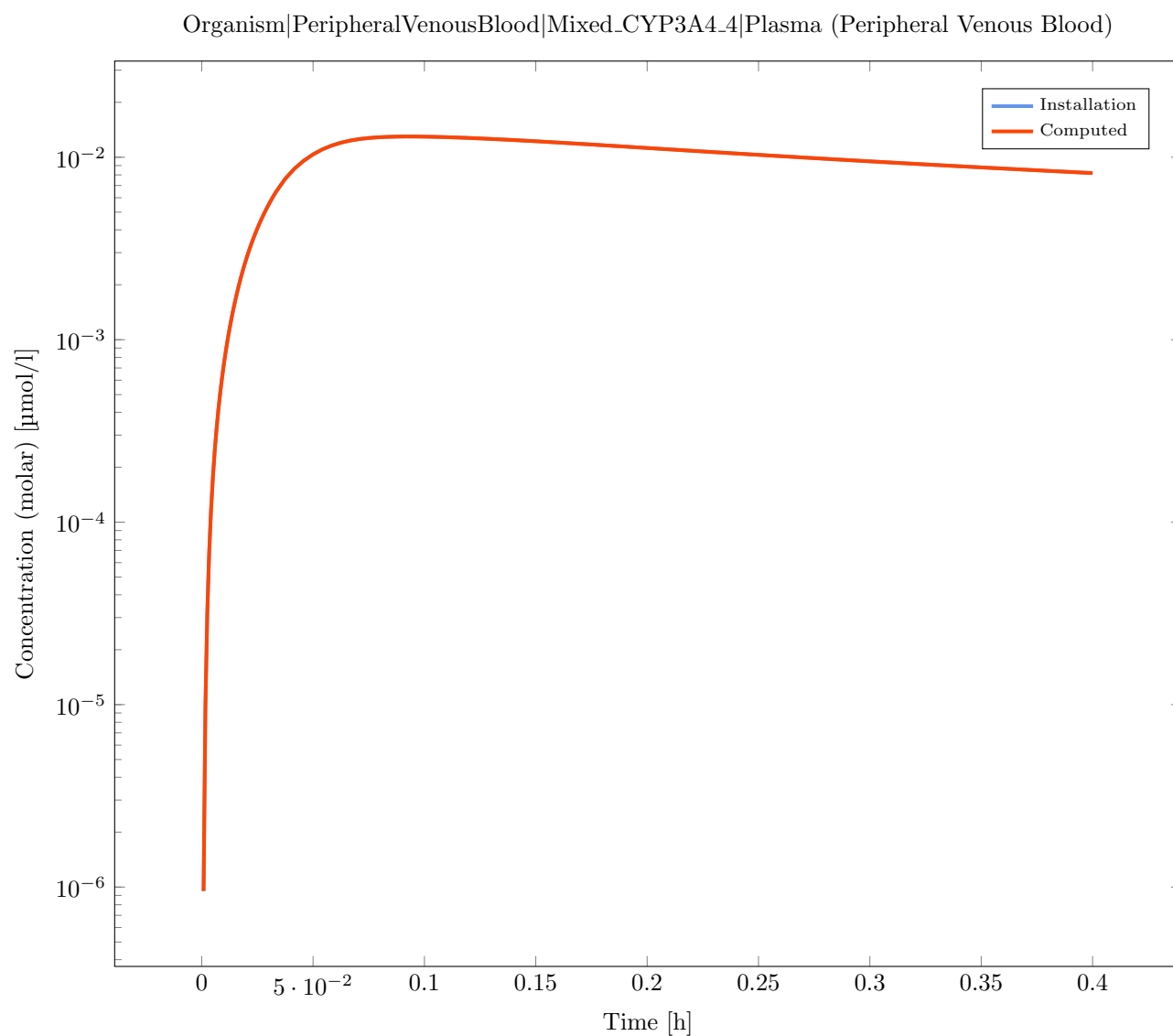


Figure 1.89

**Output Path:** Organism|PeripheralVenousBlood|Mixed\_CYP3A4.3|Plasma (Peripheral Venous Blood)

Deviation: 1.61E-4

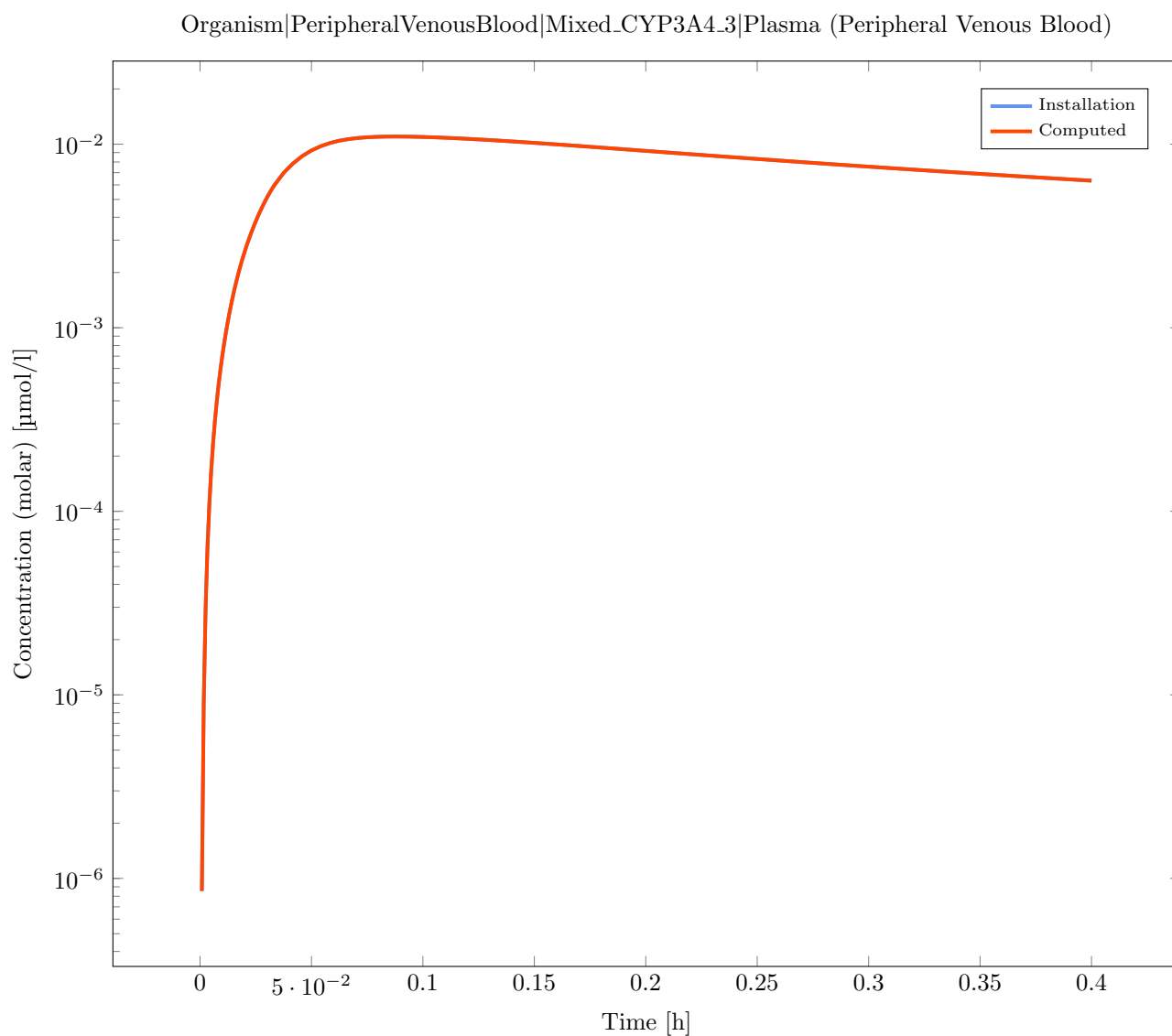
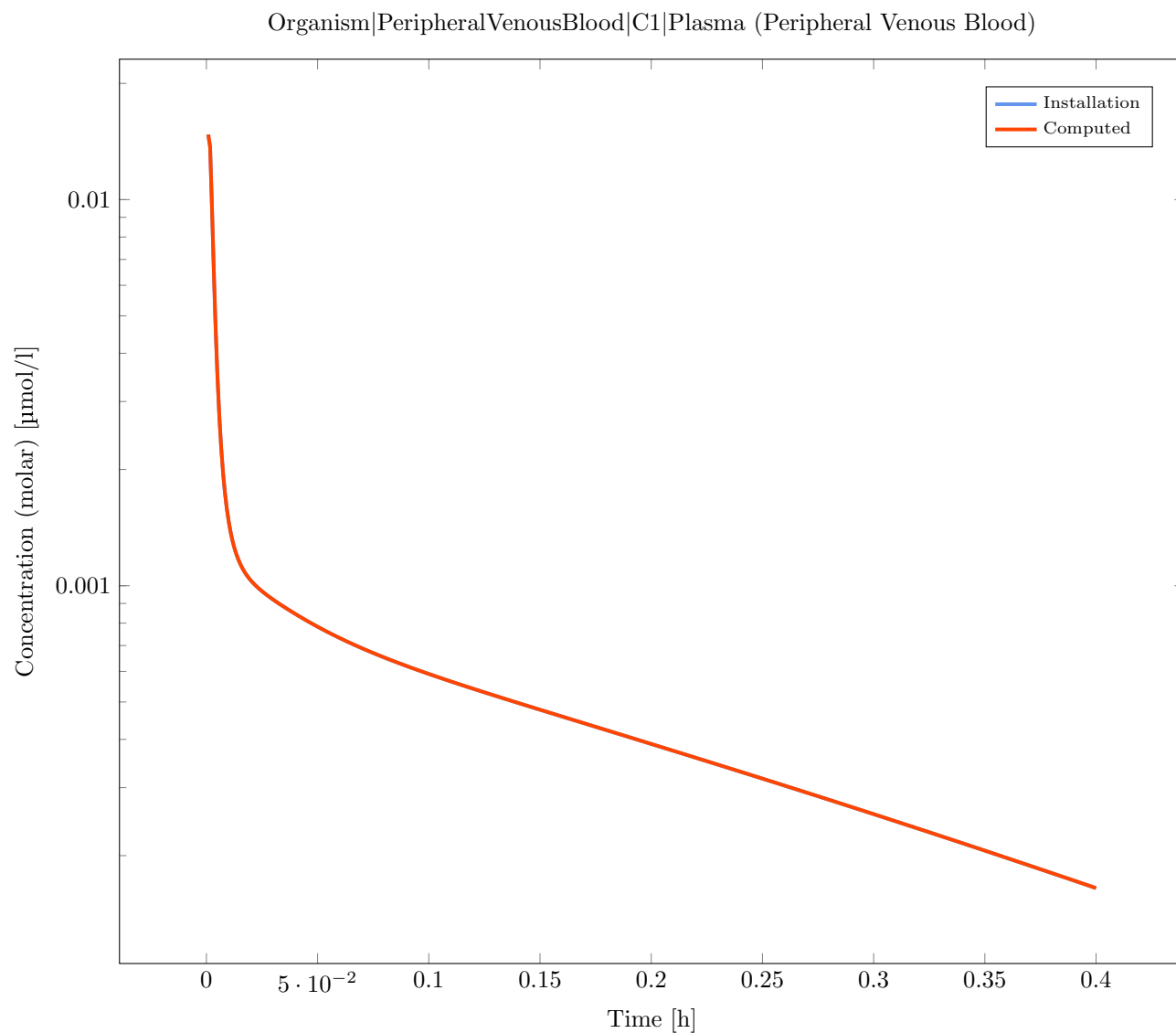


Figure 1.90

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 6.75E-4

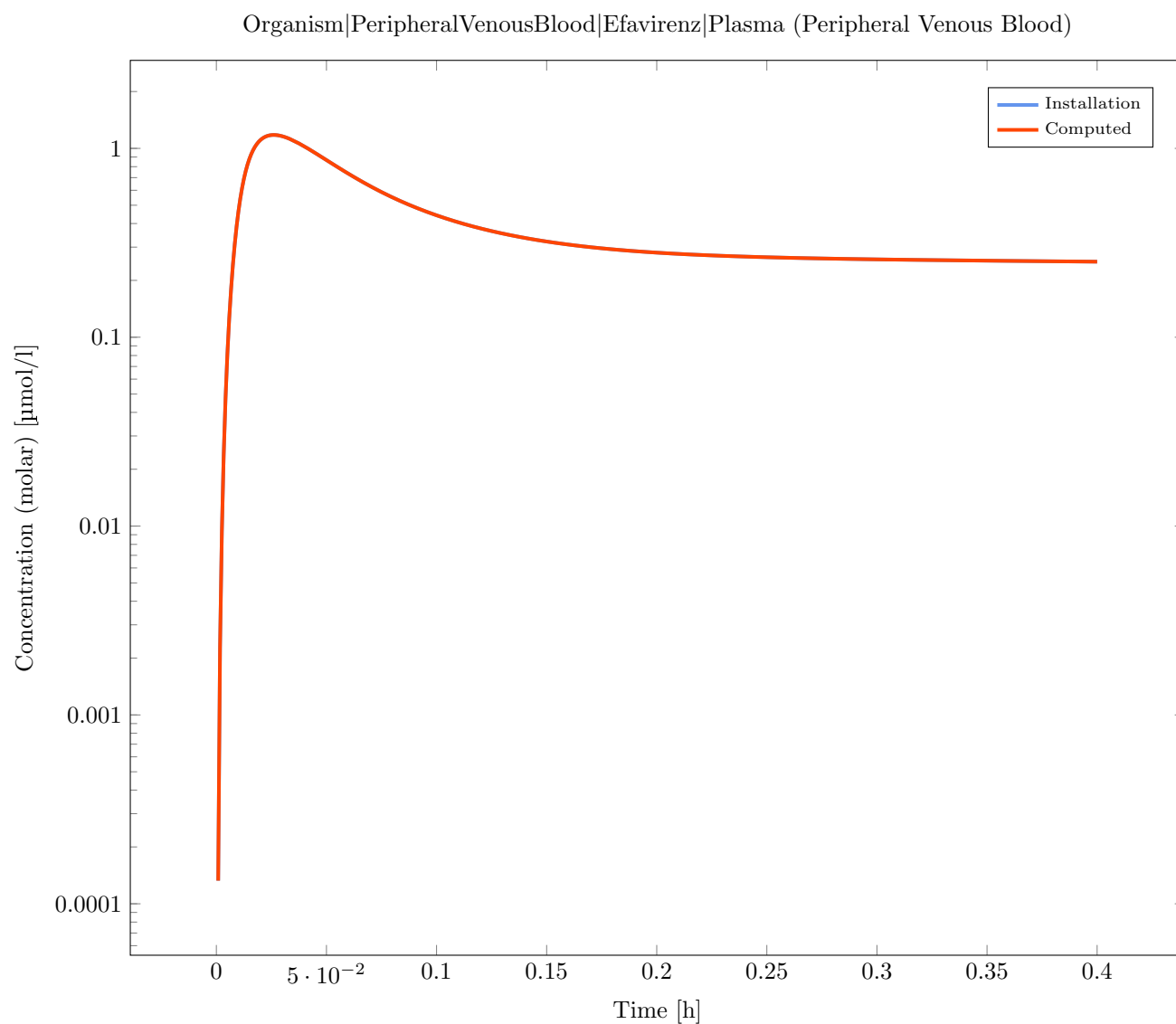
**Figure 1.91**

**Simulation:** DDI\_MultipleCombinations-31\_1st\_Mechanismbased\_Mechanismbased\_Induction\_Induction

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|Efavirenz|Plasma (Peripheral Venous Blood)

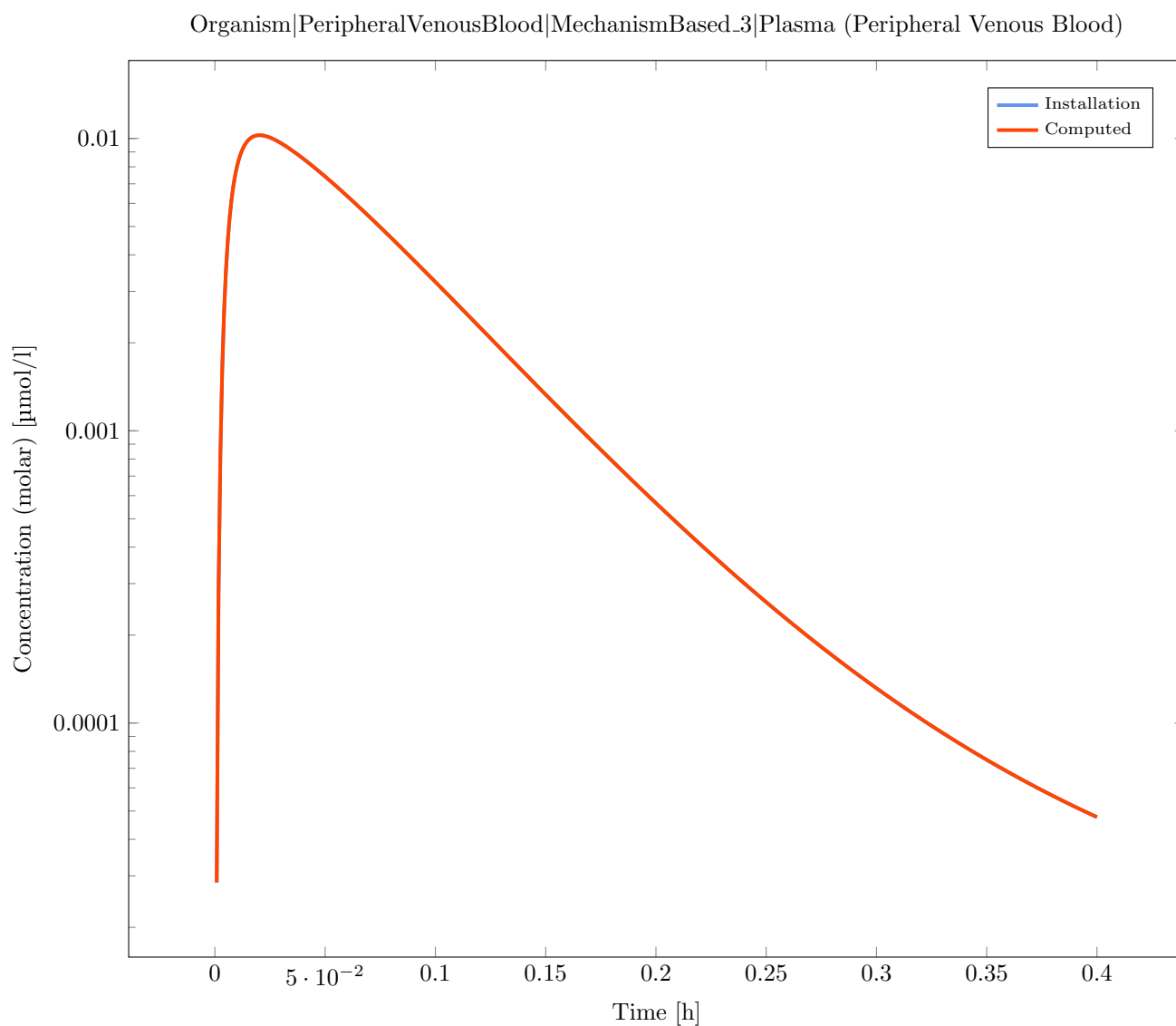
Deviation: 1.71E-4

**Figure 1.92**

**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_3|Plasma (Peripheral Venous Blood)

Deviation: 6.12E-4



**Figure 1.93**

**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_4|Plasma (Peripheral Venous Blood)

Deviation: 6.14E-4

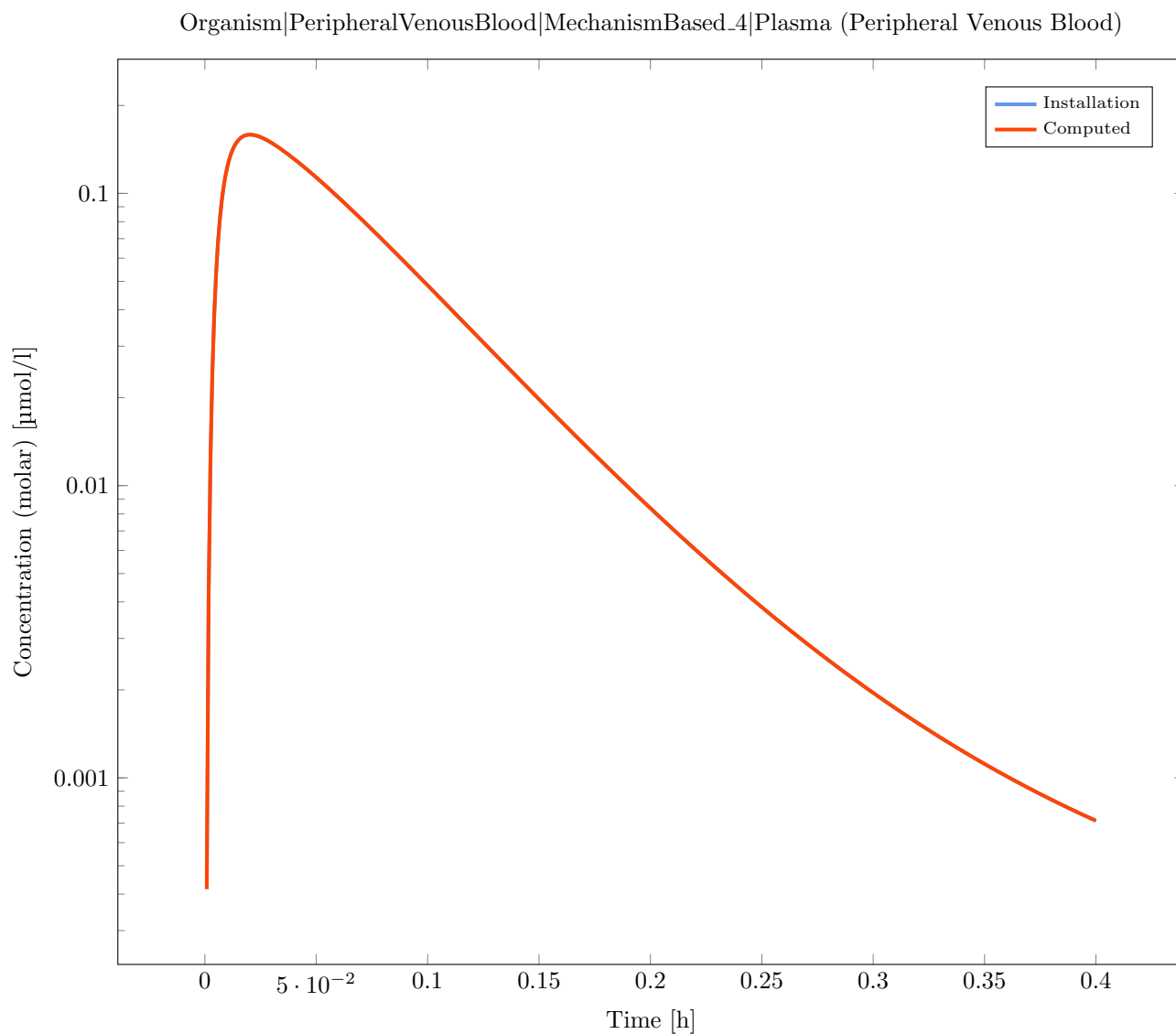


Figure 1.94

**Output Path:** Organism|PeripheralVenousBlood|Rifampicin|Plasma (Peripheral Venous Blood)

Deviation: 4.48E-4

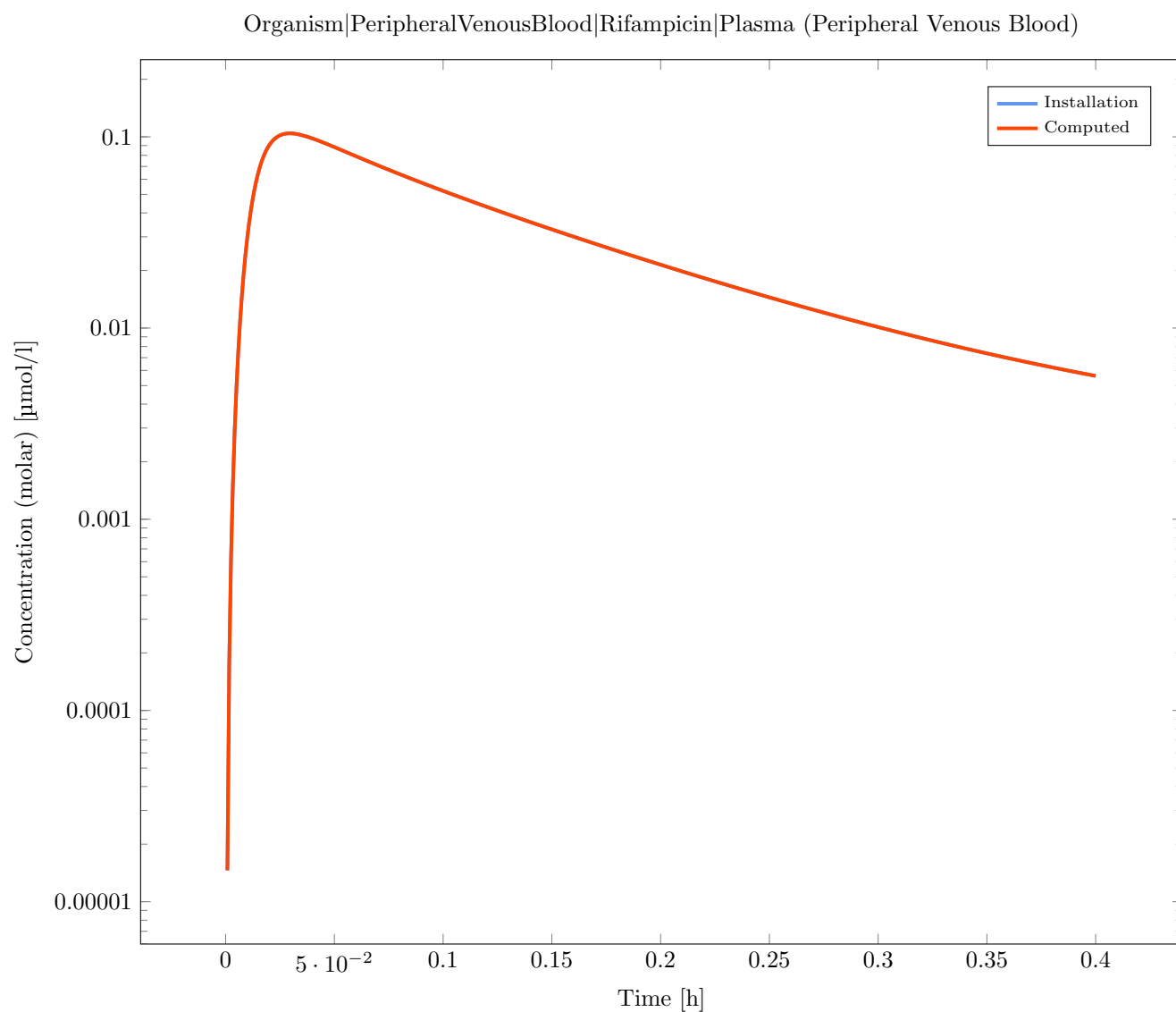


Figure 1.95

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 5.55E-4

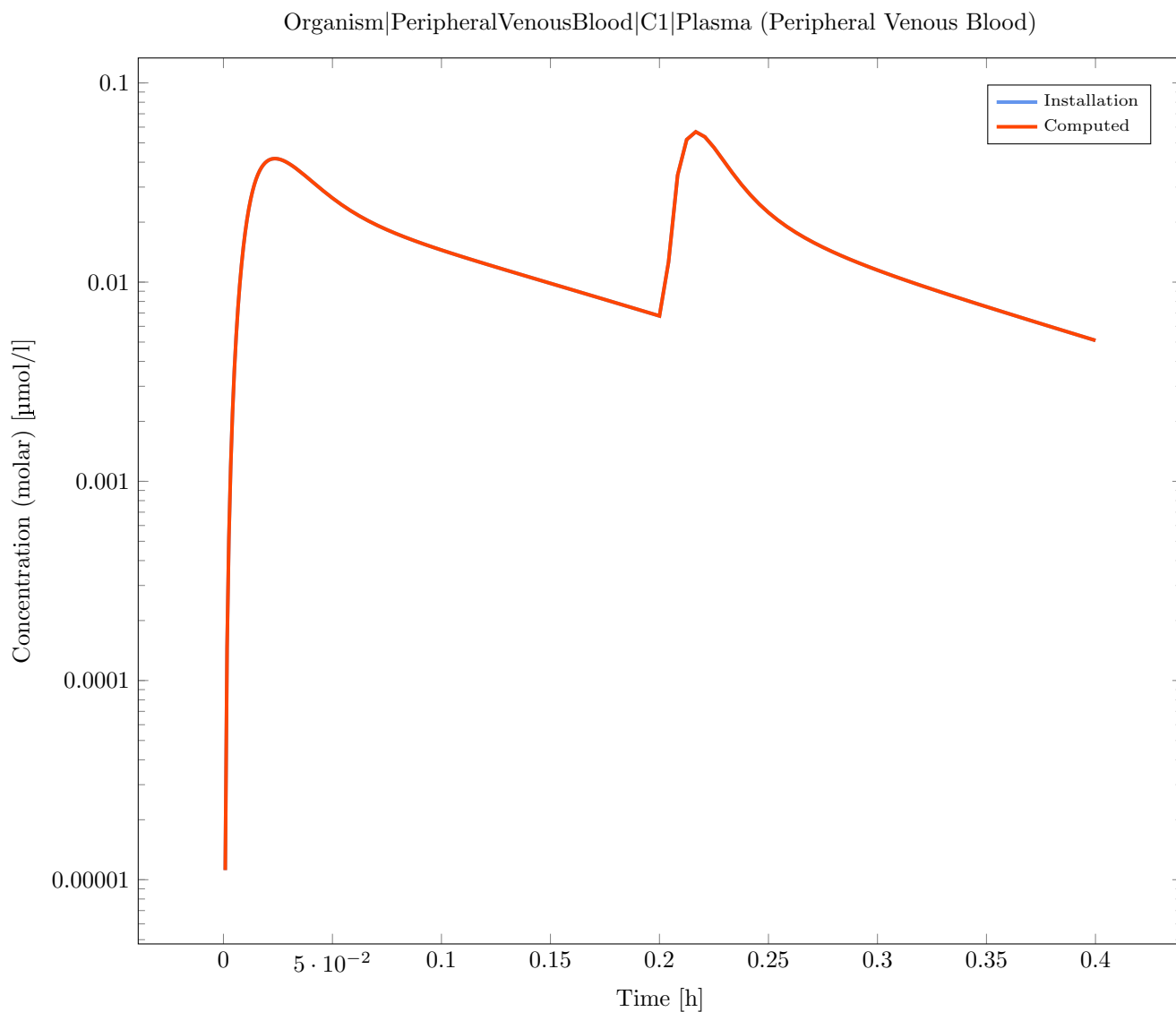


Figure 1.96

**Simulation:** DDI\_MultipleCombinations-32\_1st\_All\_DDI\_Types

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|Efavirenz|Plasma (Peripheral Venous Blood)

Deviation: 1.92E-4

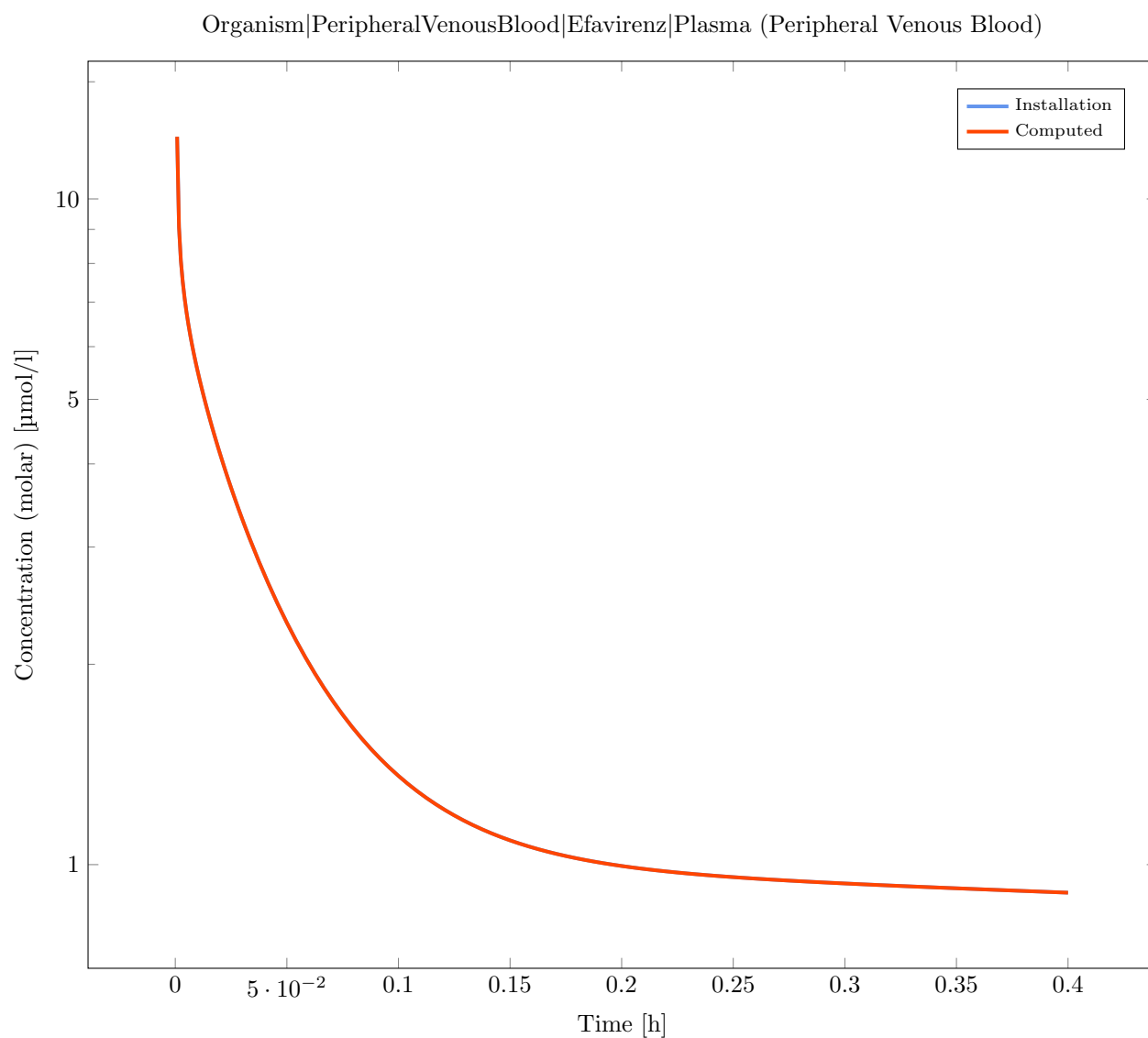


Figure 1.97

**Output Path:** Organism|PeripheralVenousBlood|Fluvoxamine|Plasma (Peripheral Venous Blood)  
Deviation: 3.13E-4

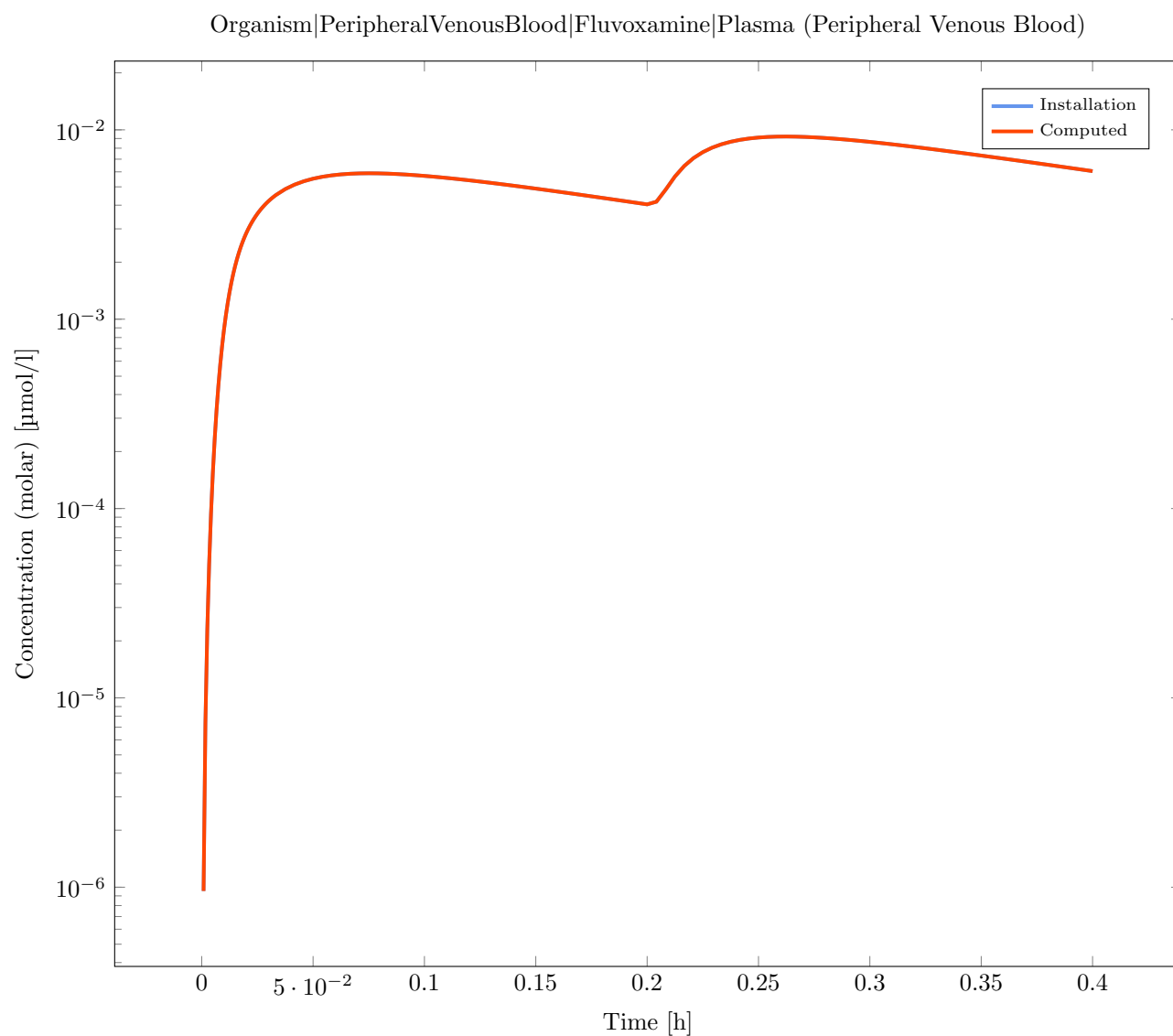


Figure 1.98

**Output Path:** Organism|PeripheralVenousBlood|MechanismBased\_3|Plasma (Peripheral Venous Blood)

Deviation: 5.98E-4

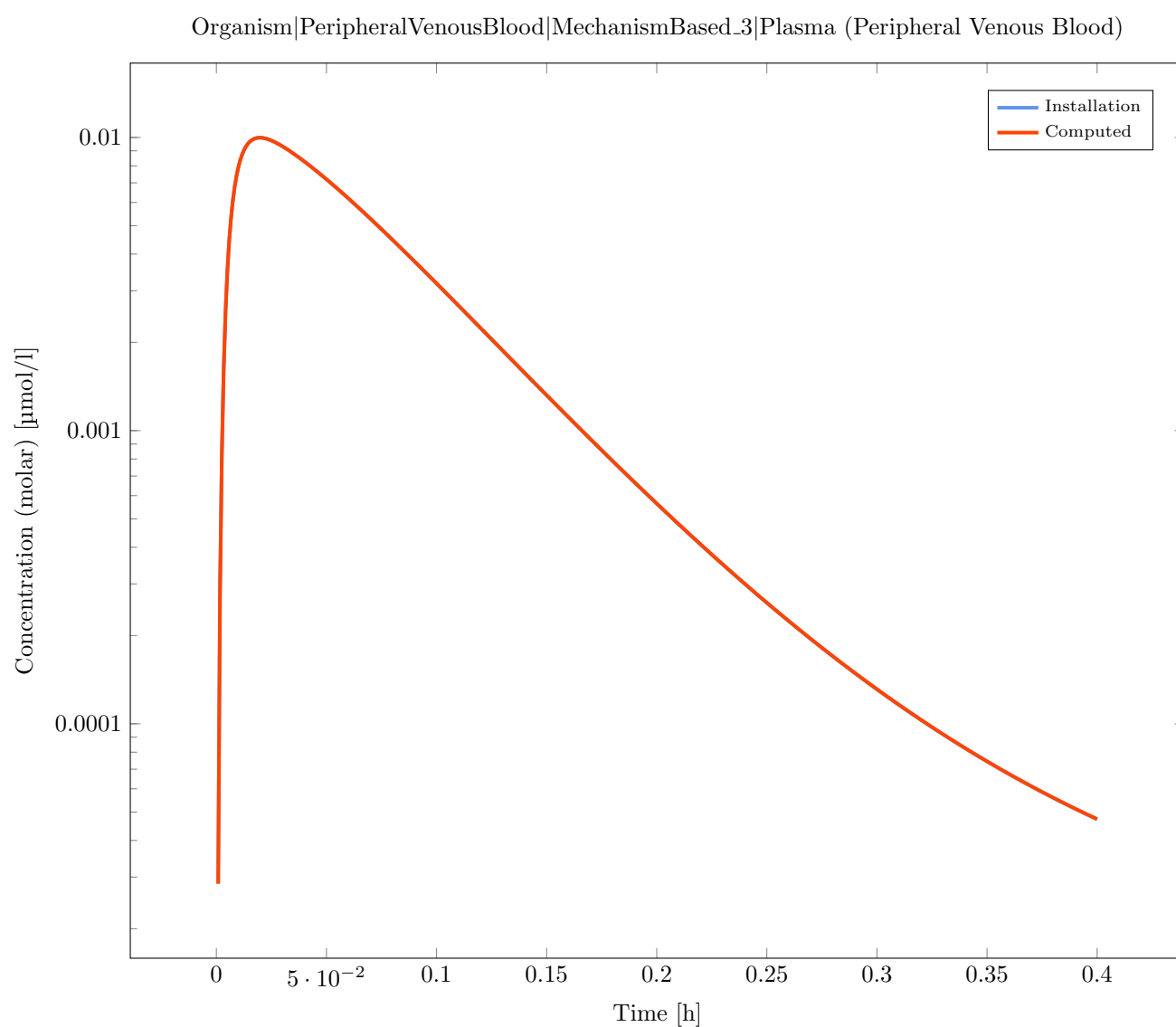


Figure 1.99

**Output Path:** Organism|PeripheralVenousBlood|Mixed\_CYP3A4\_3|Plasma (Peripheral Venous Blood)

Deviation: 4.17E-4

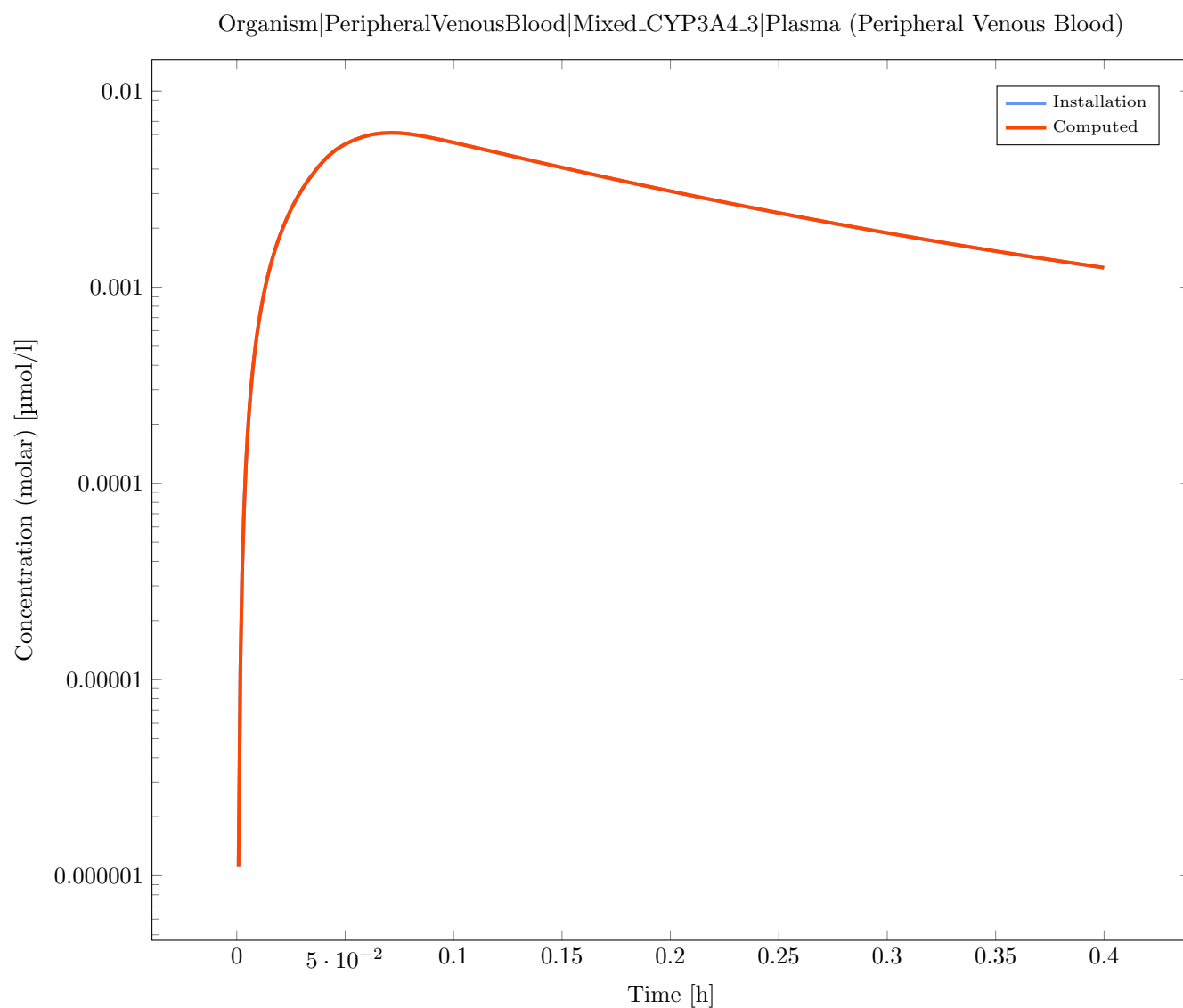


Figure 1.100

**Output Path:** Organism|PeripheralVenousBlood|Noncompetitive\_CYP3A4.1|Plasma (Peripheral Venous Blood)

Deviation: 4.97E-4



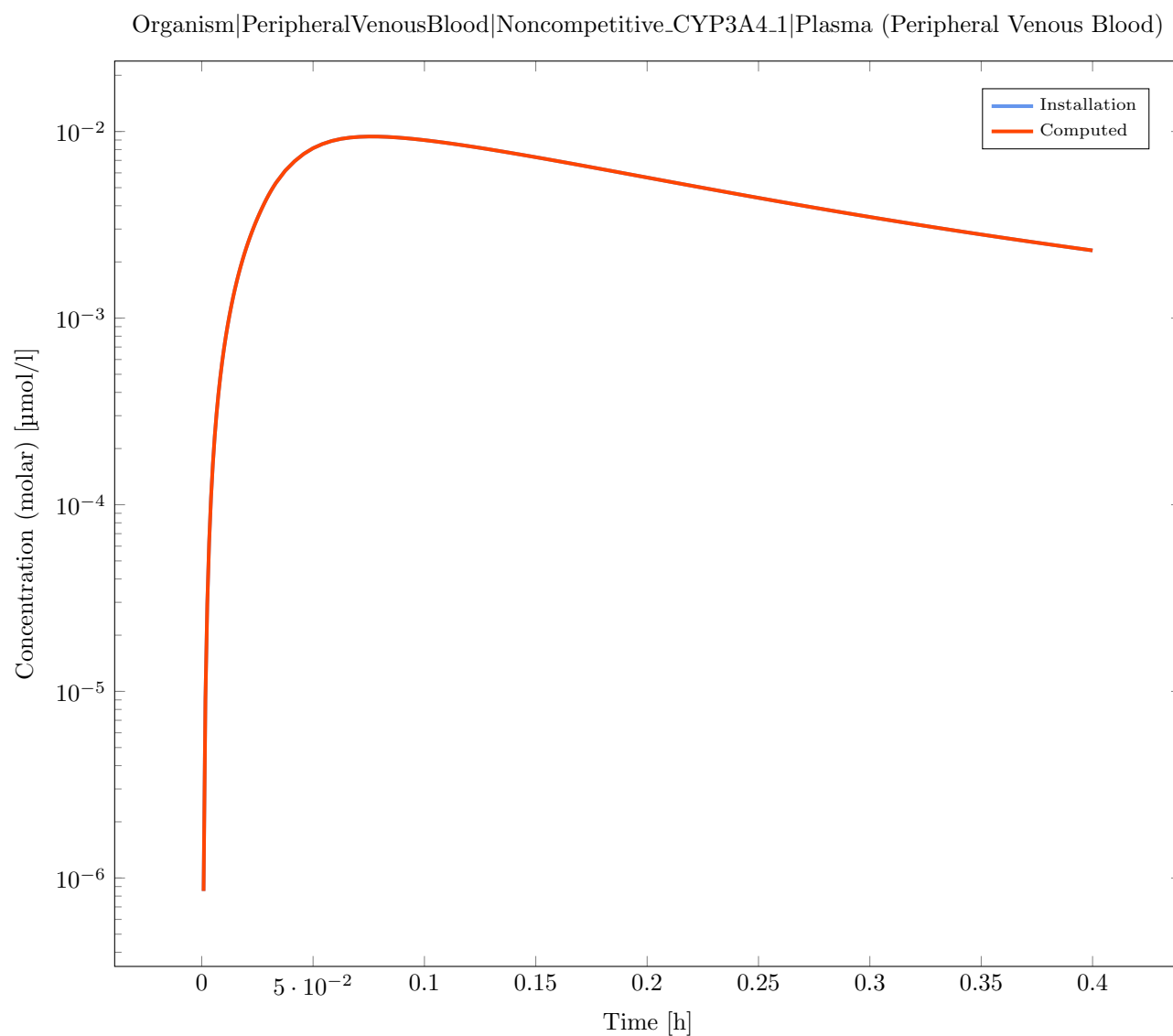


Figure 1.101

**Output Path:** Organism|PeripheralVenousBlood|Uncompetitive\_CYP3A4\_3|Plasma (Peripheral Venous Blood)

Deviation: 5.01E-4

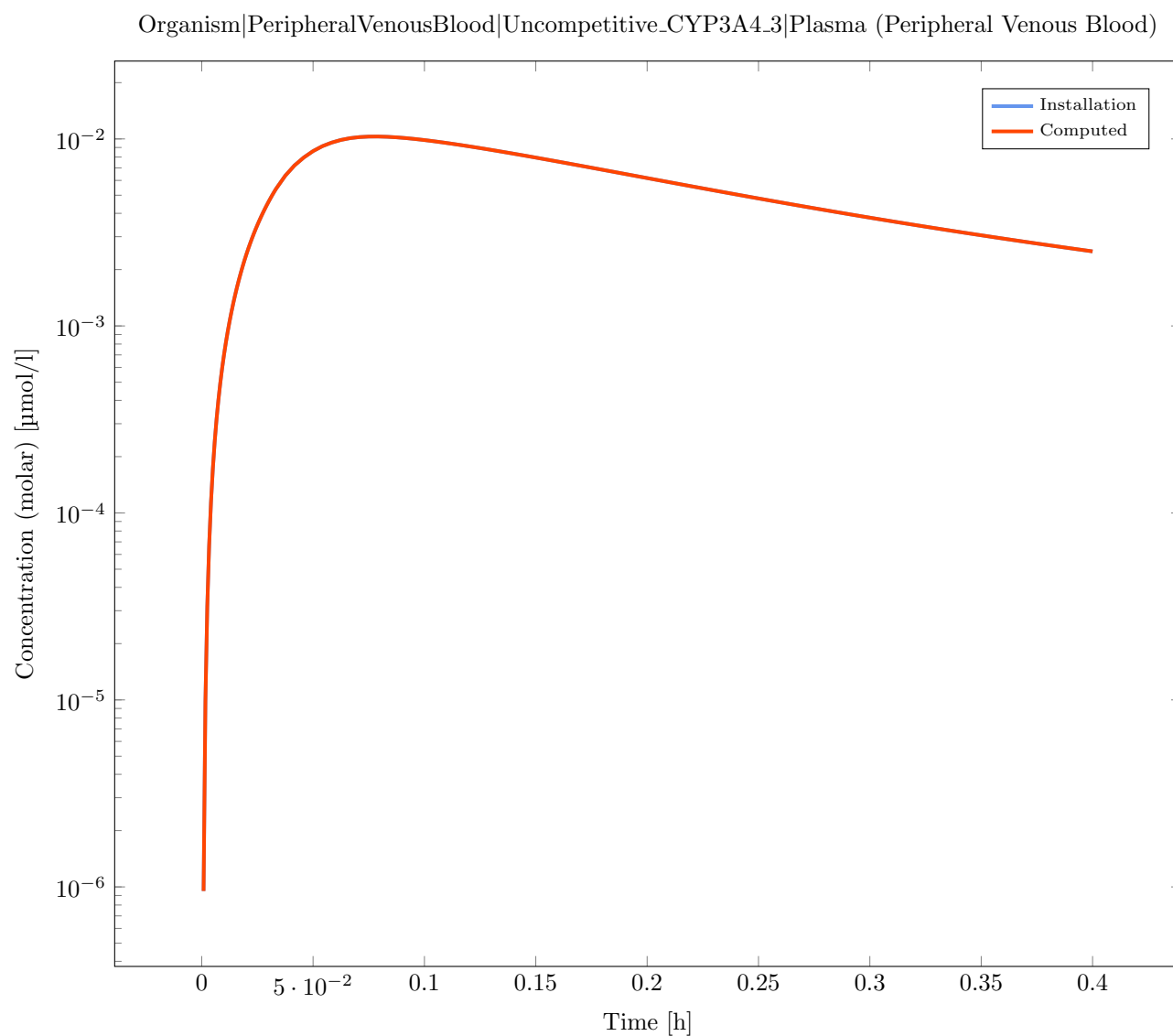


Figure 1.102

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation:  $6.86\text{E-}4$

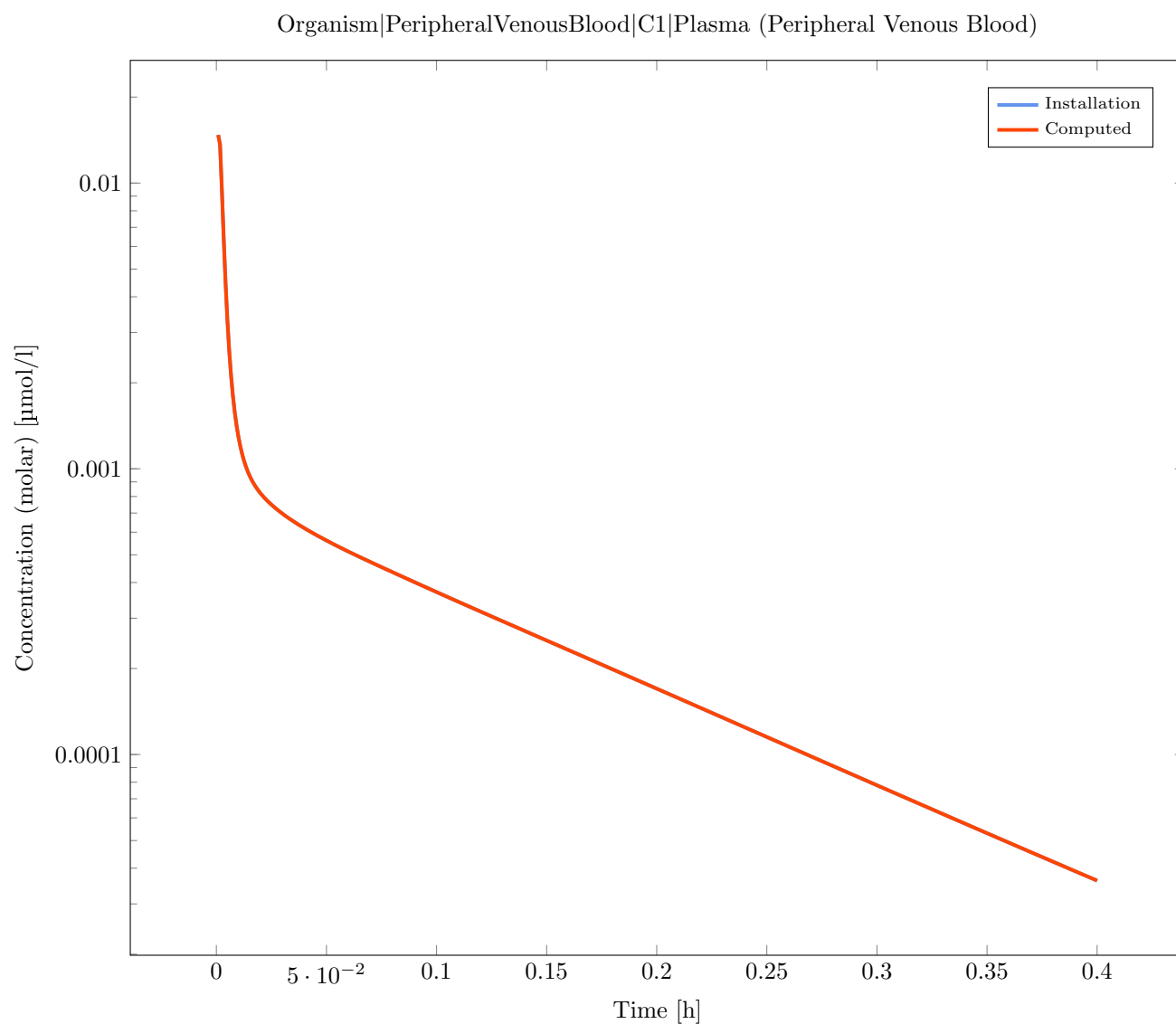


Figure 1.103

**Simulation:** Dog\_MultiORAL\_12\_12\_Dissolved-Dog\_MultiORAL\_12\_12\_Dissolved

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

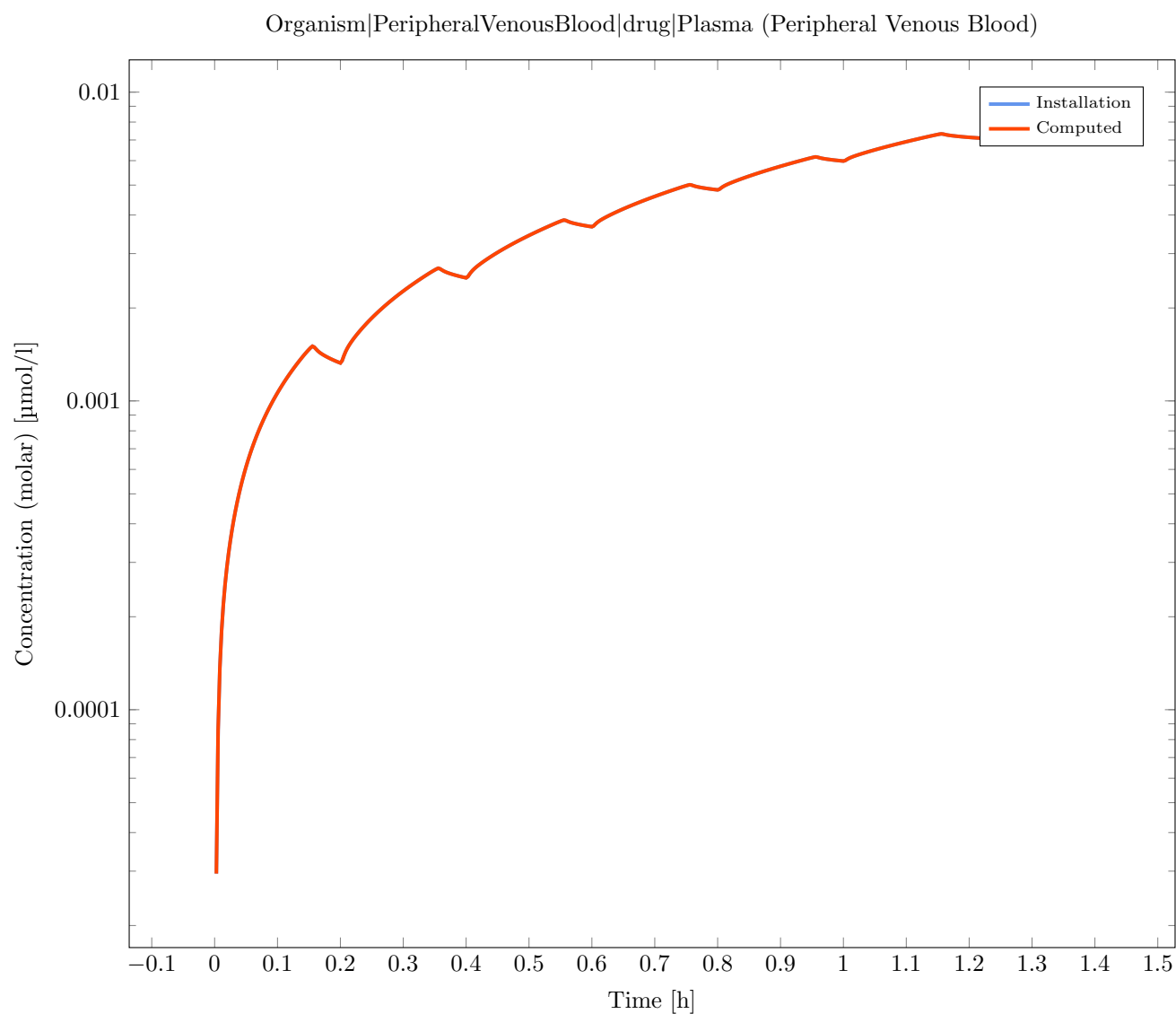


Figure 1.104

**Simulation:** Dog\_MultiORAL\_24\_Dissolved-Dog\_MultiORAL\_24\_Dissolved

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

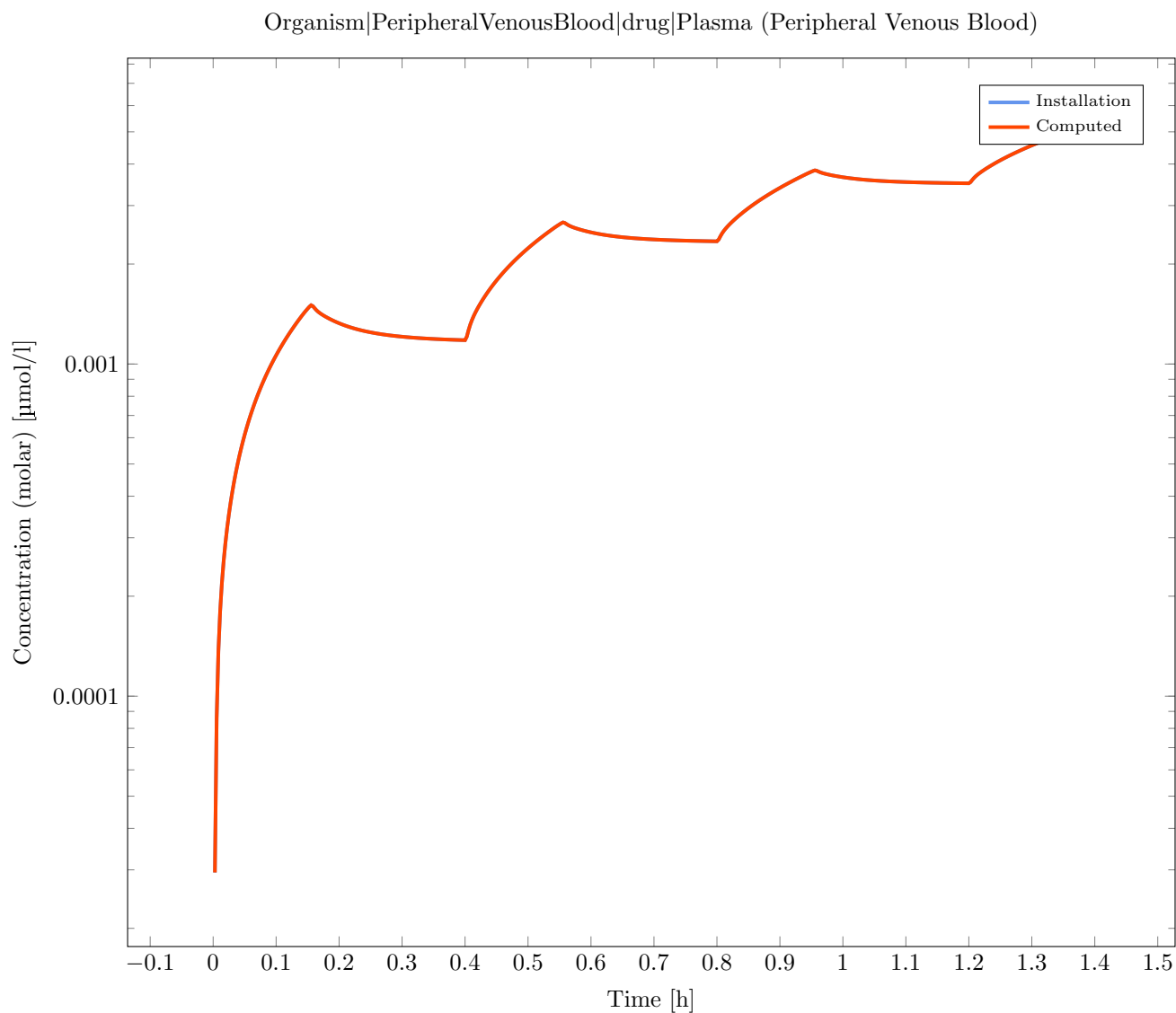


Figure 1.105

**Simulation:** European\_SingleORAL\_Age\_0\_CYP3A4-European\_SingleORAL\_Age\_0\_CYP3A4

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 3.40E-6

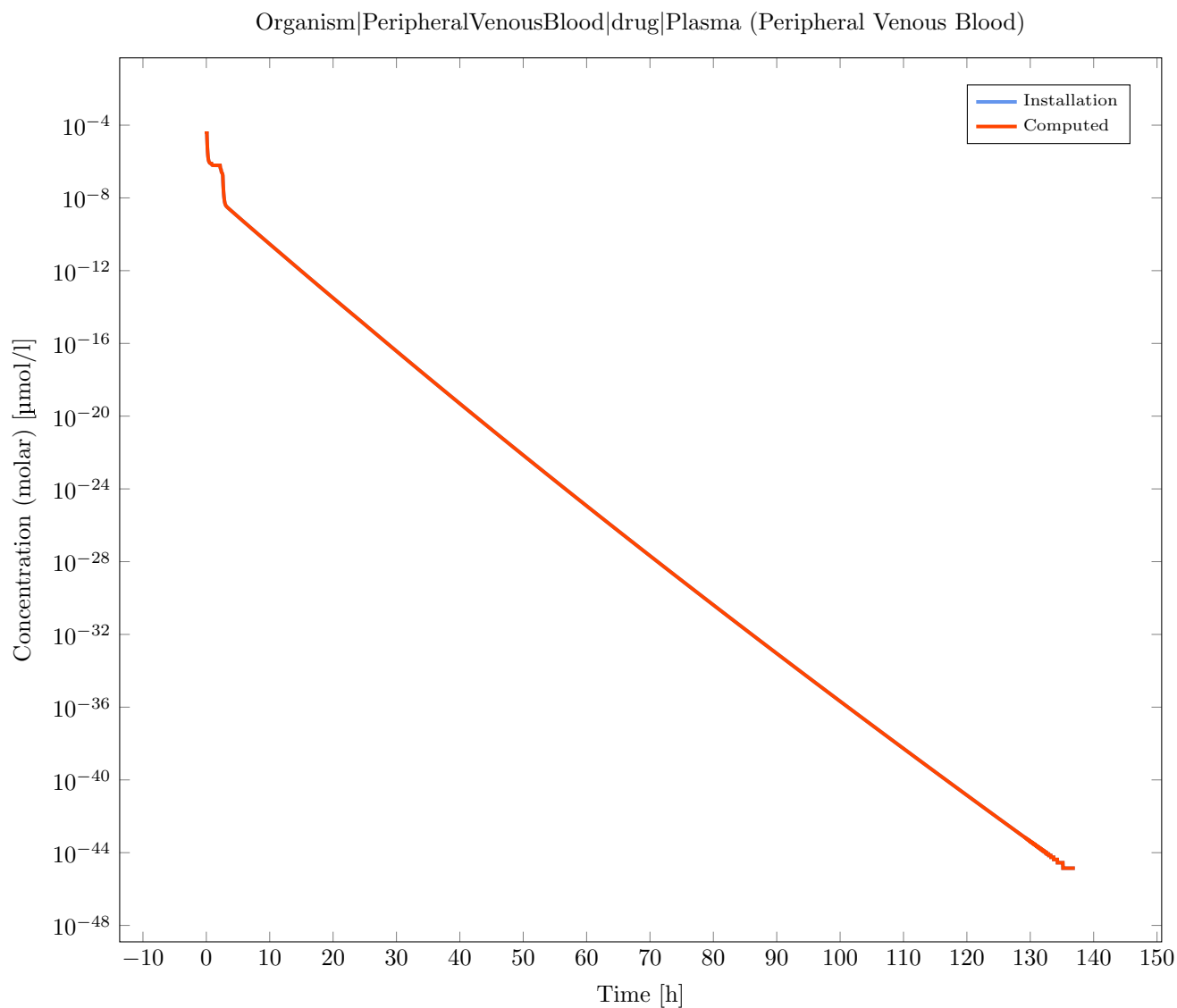


Figure 1.106

**Simulation:** European\_SingleORAL\_Age\_0\_GFR-European\_SingleORAL\_Age\_0\_GFR

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 8.37E-7

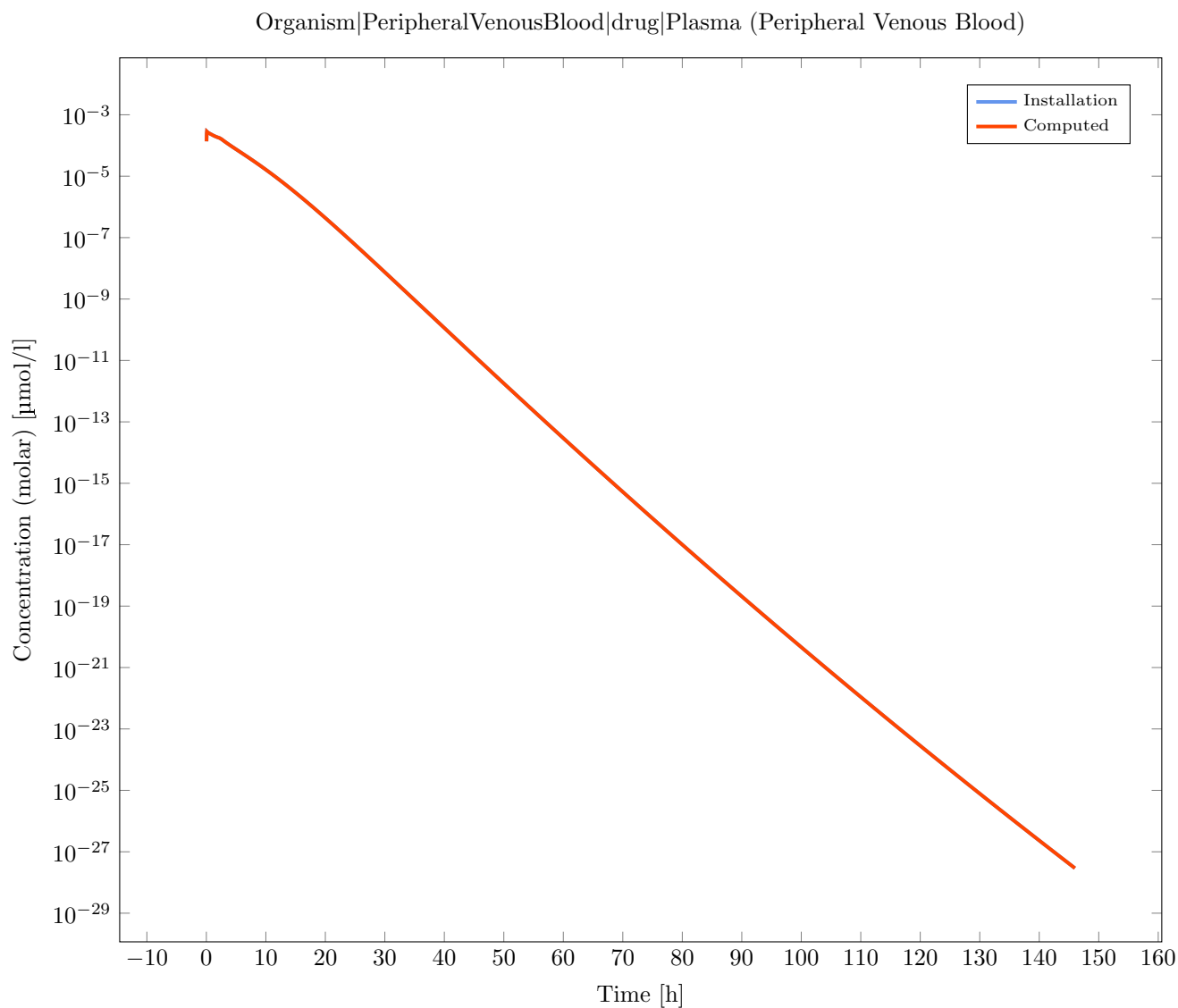


Figure 1.107

**Simulation:** European\_SingleORAL\_Age\_1\_CYP3A4-European\_SingleORAL\_Age\_1\_CYP3A4

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 1.82E-6

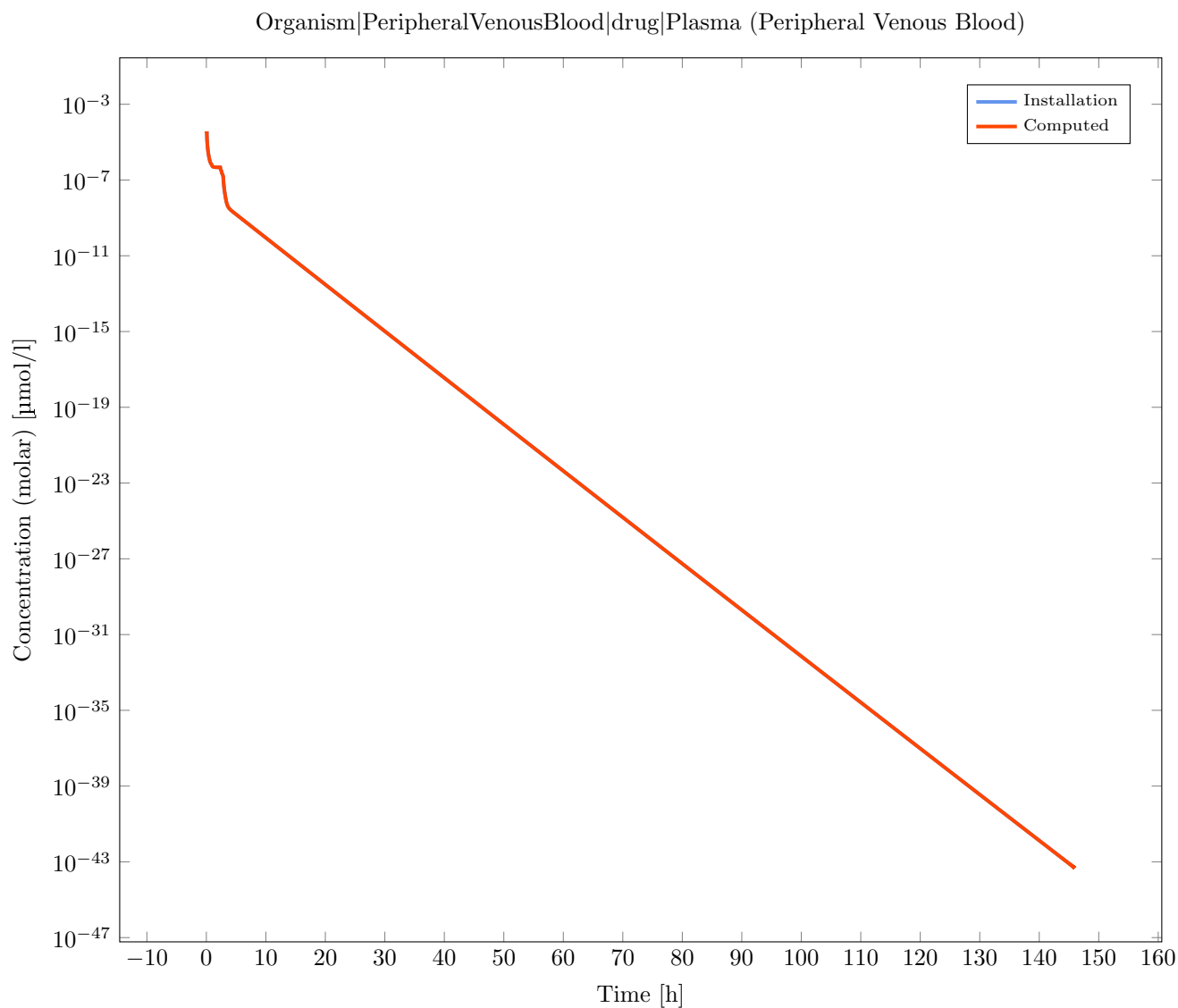


Figure 1.108

**Simulation:** European\_SingleORAL\_Age\_1\_GFR-European\_SingleORAL\_Age\_1\_GFR

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 1.19E-7



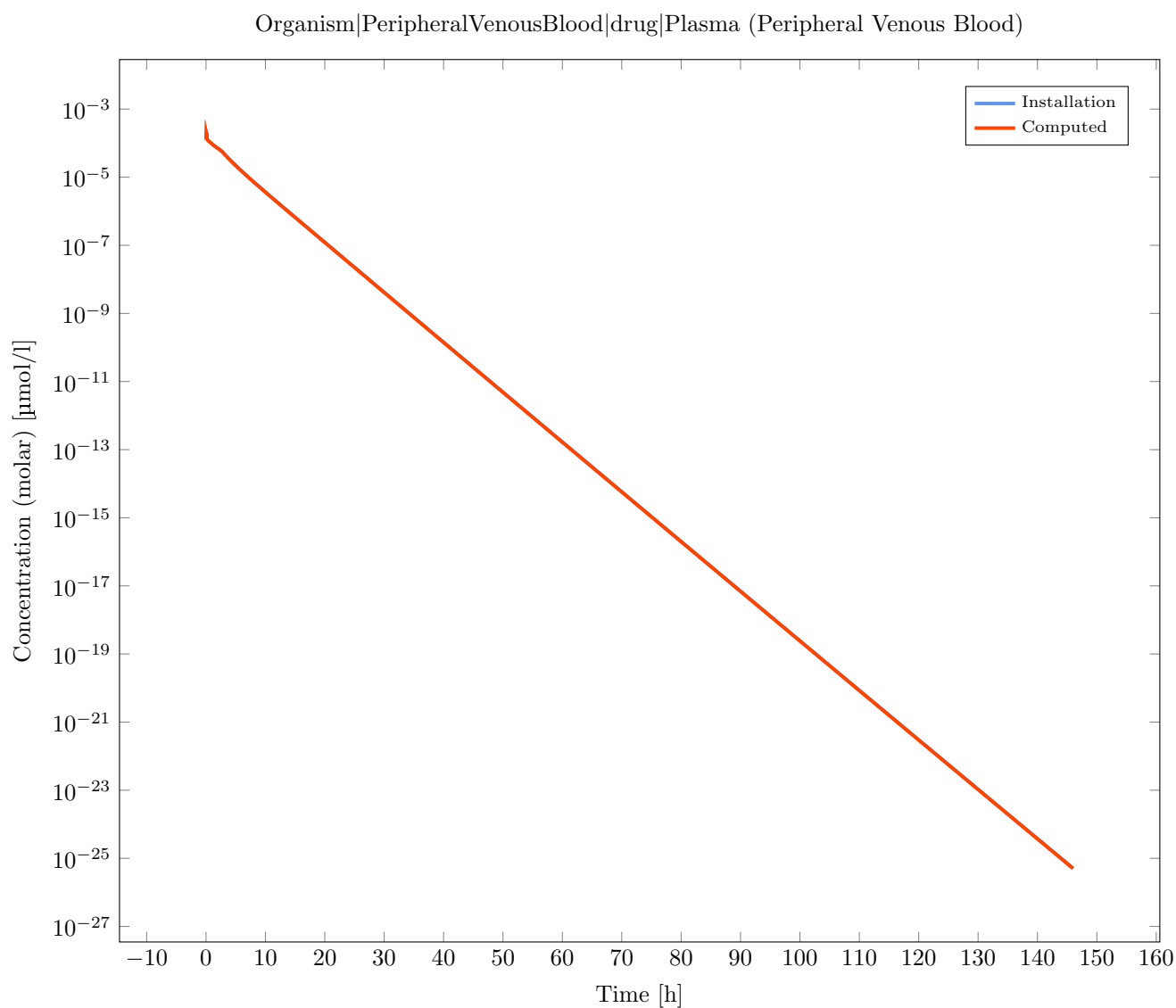


Figure 1.109

**Simulation:** Human\_CompetitiveInhibition-Human\_CompetitiveInhibition

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

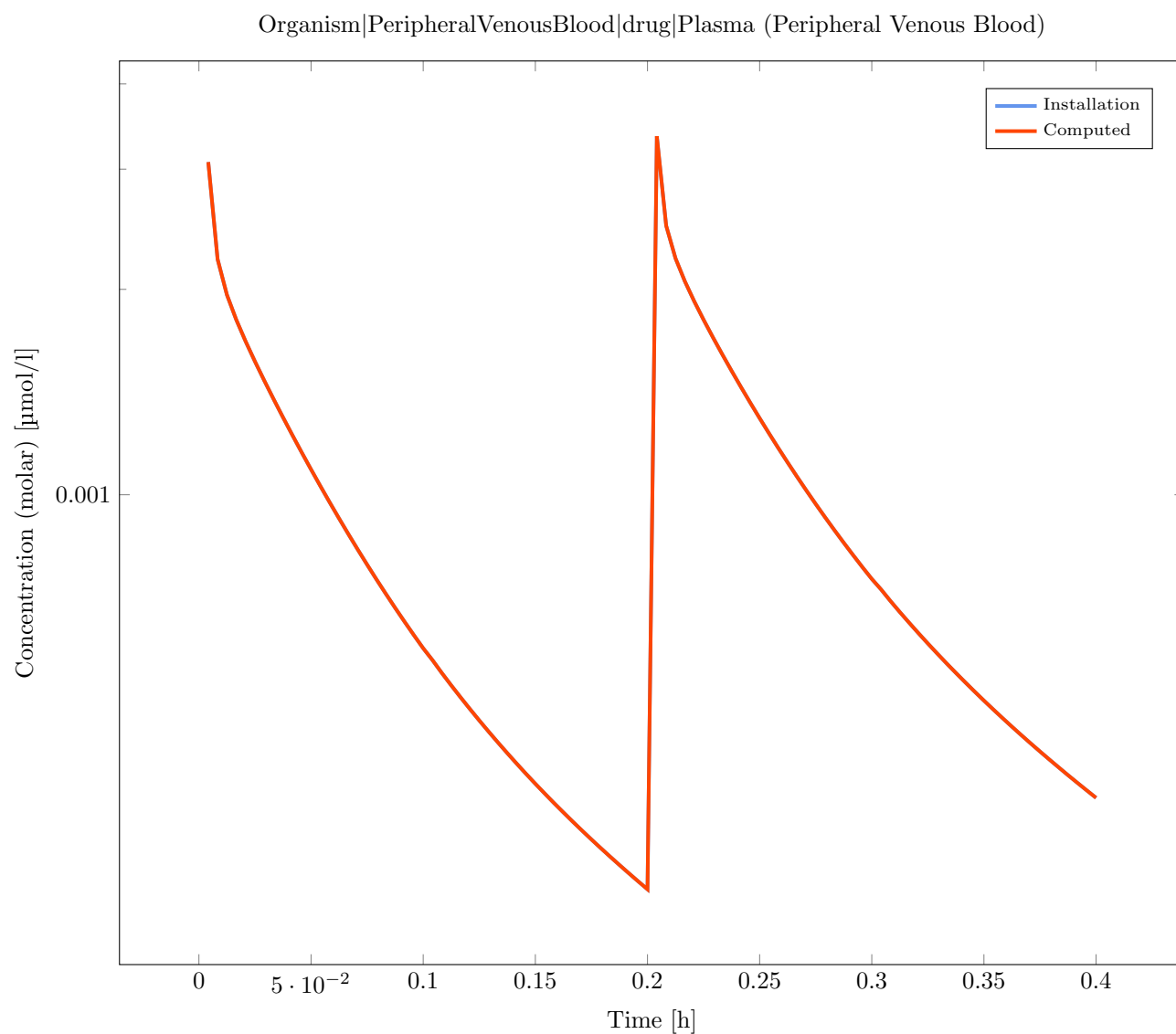


Figure 1.110

**Output Path:** Organism|PeripheralVenousBlood|inhibitor|Plasma (Peripheral Venous Blood)

Deviation: 0

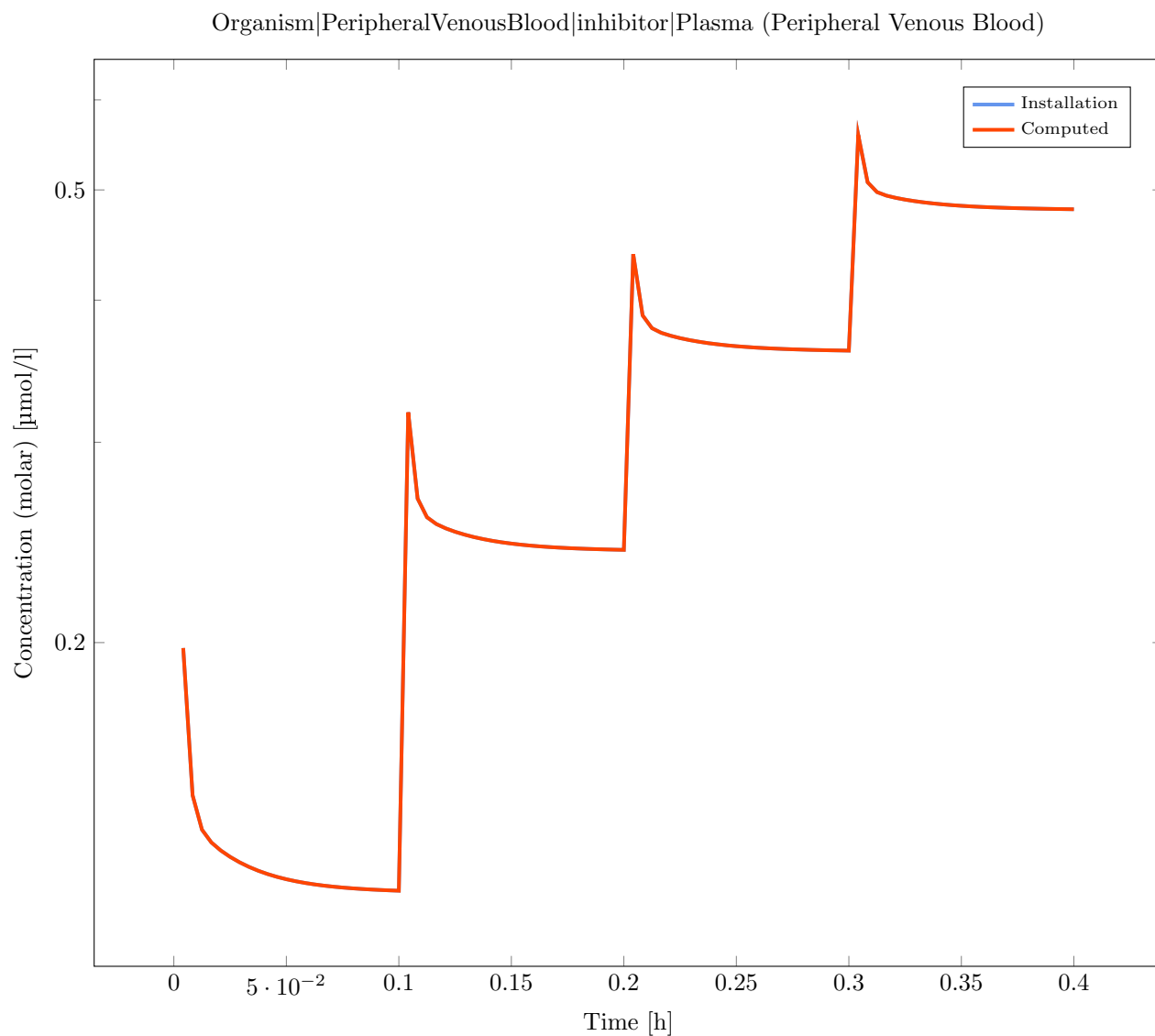


Figure 1.111

**Simulation:** Human\_ICRP\_AGP-01\_ICRP\_0y\_Male

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 0

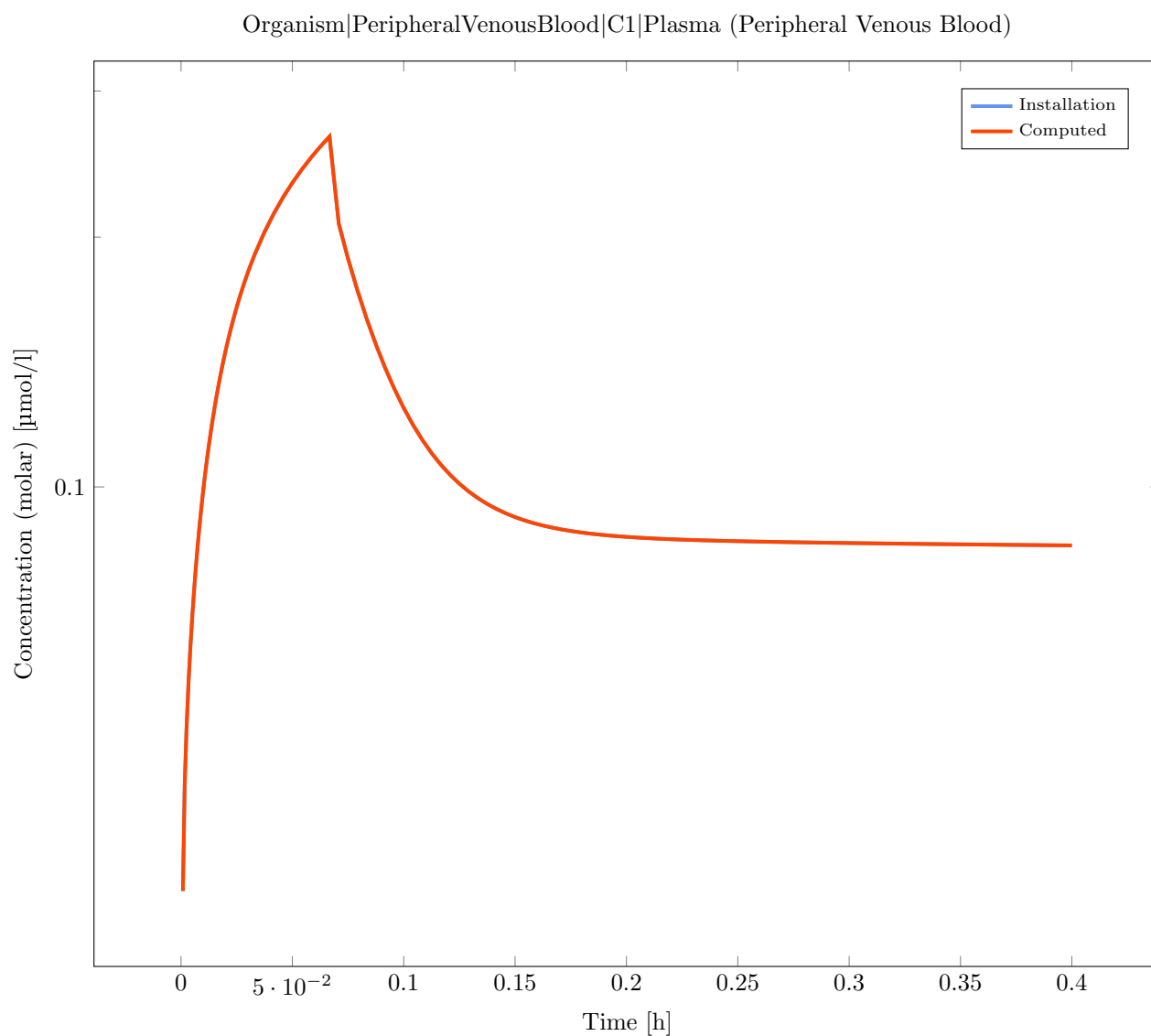


Figure 1.112

**Simulation:** Human\_ICRP\_AGP-02\_ICRP\_0.05y\_Female

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 0

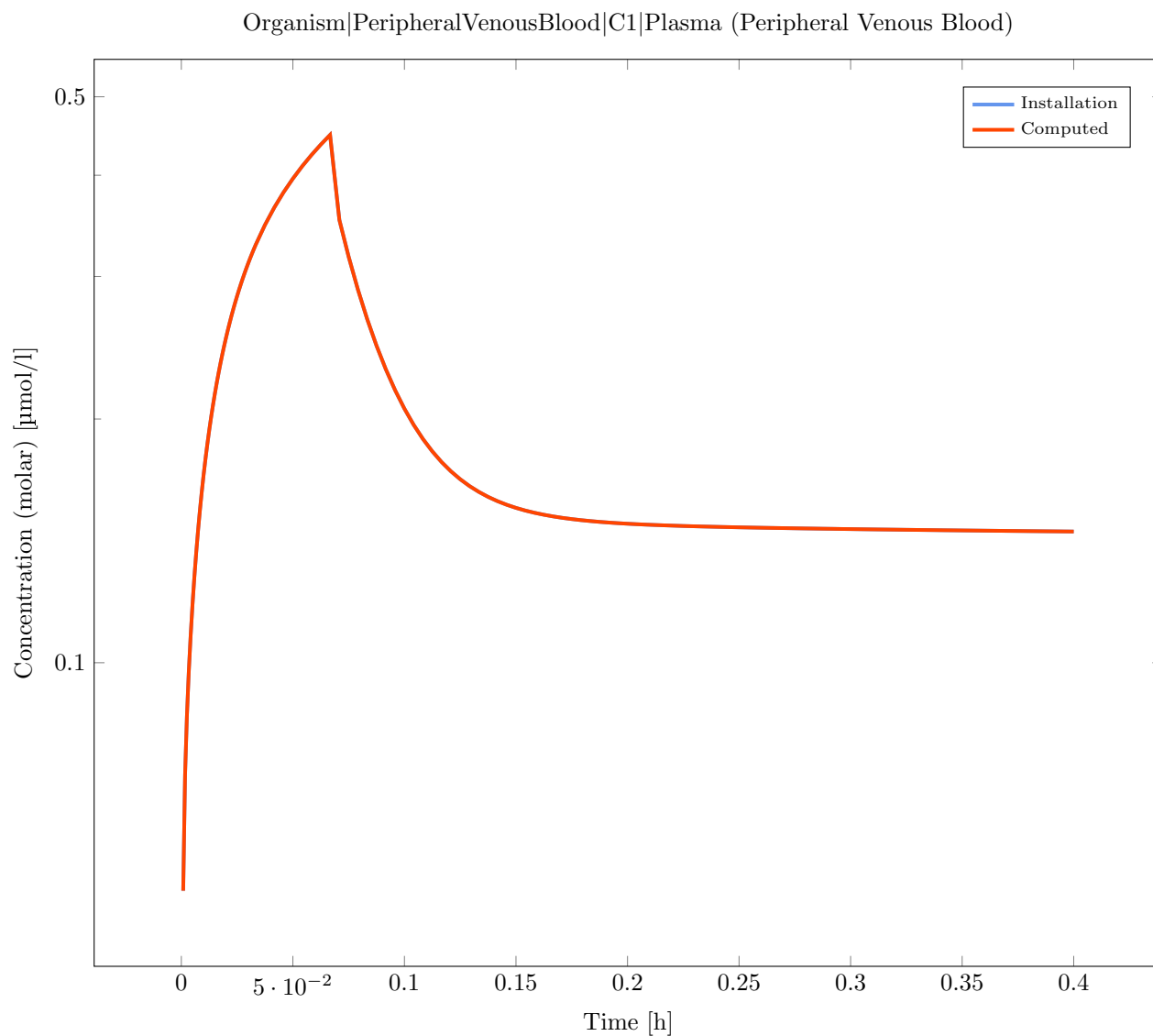


Figure 1.113

**Simulation:** Human\_ICRP\_AGP-03\_ICRP\_0.18y\_Male

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 0

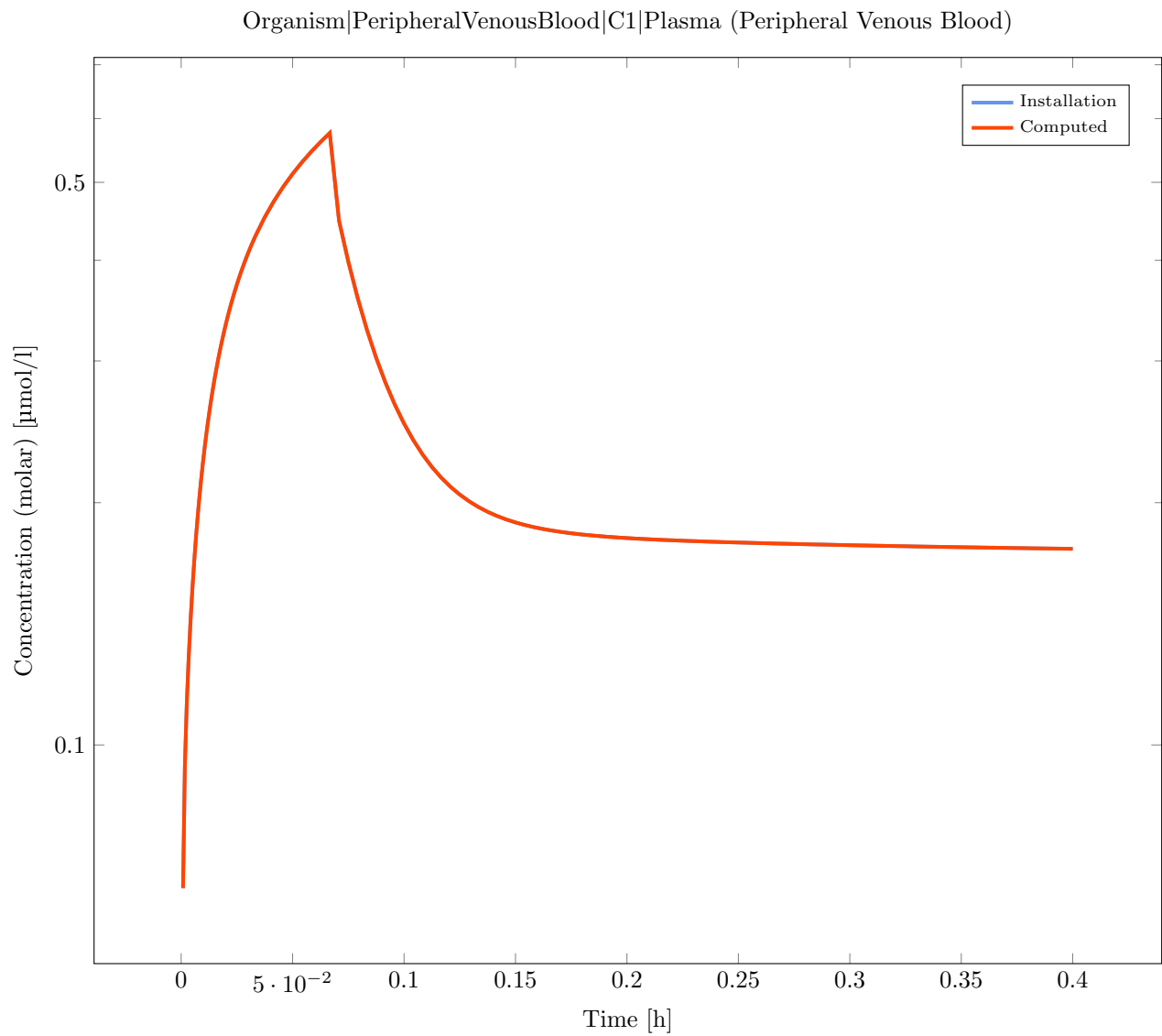


Figure 1.114

**Simulation:** Human\_ICRP\_AGP-04\_ICRP\_1y\_Female

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 0

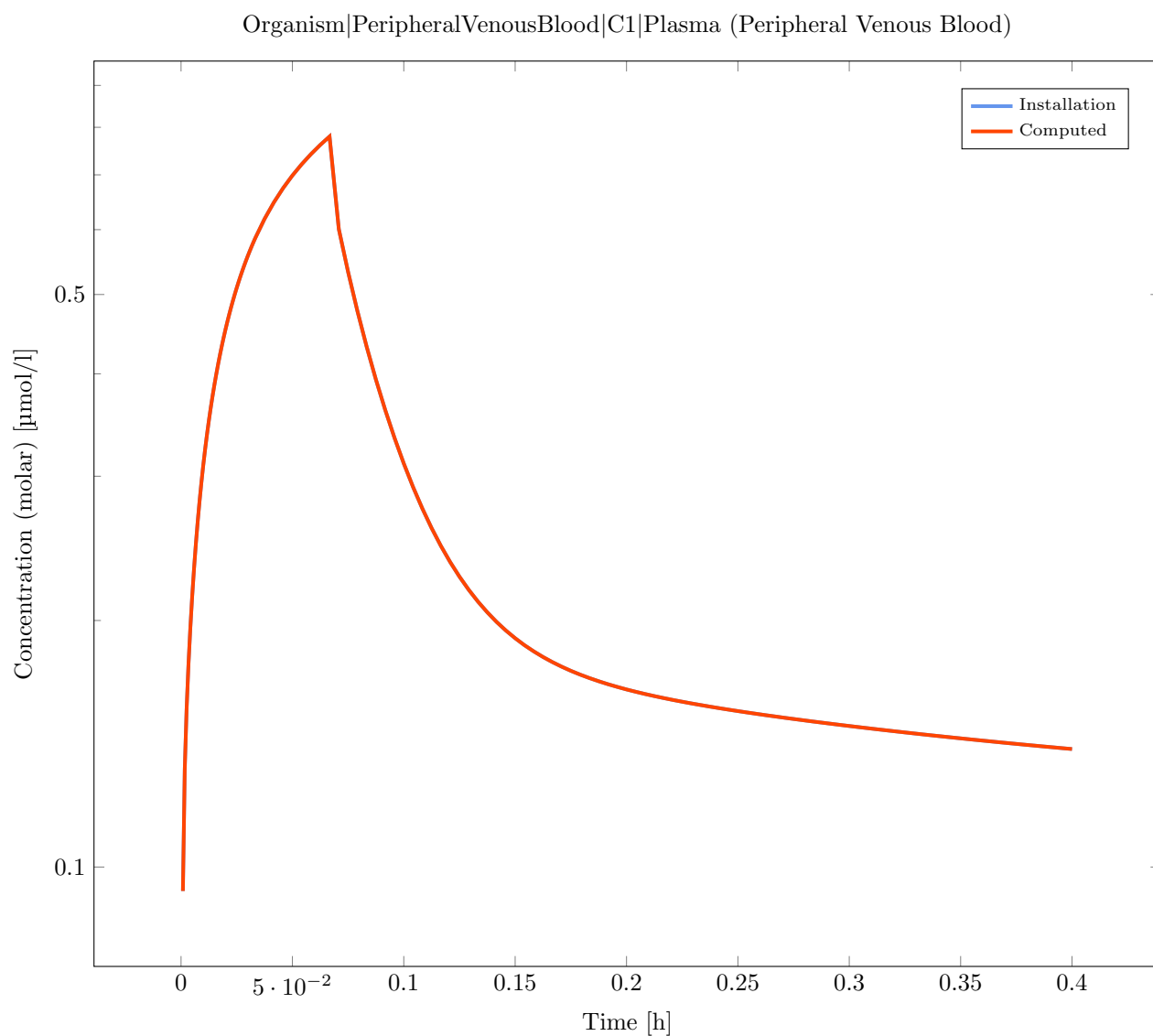


Figure 1.115

**Simulation:** Human\_ICRP\_AGP-05\_ICRP\_12y\_Male

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 1.50E-4

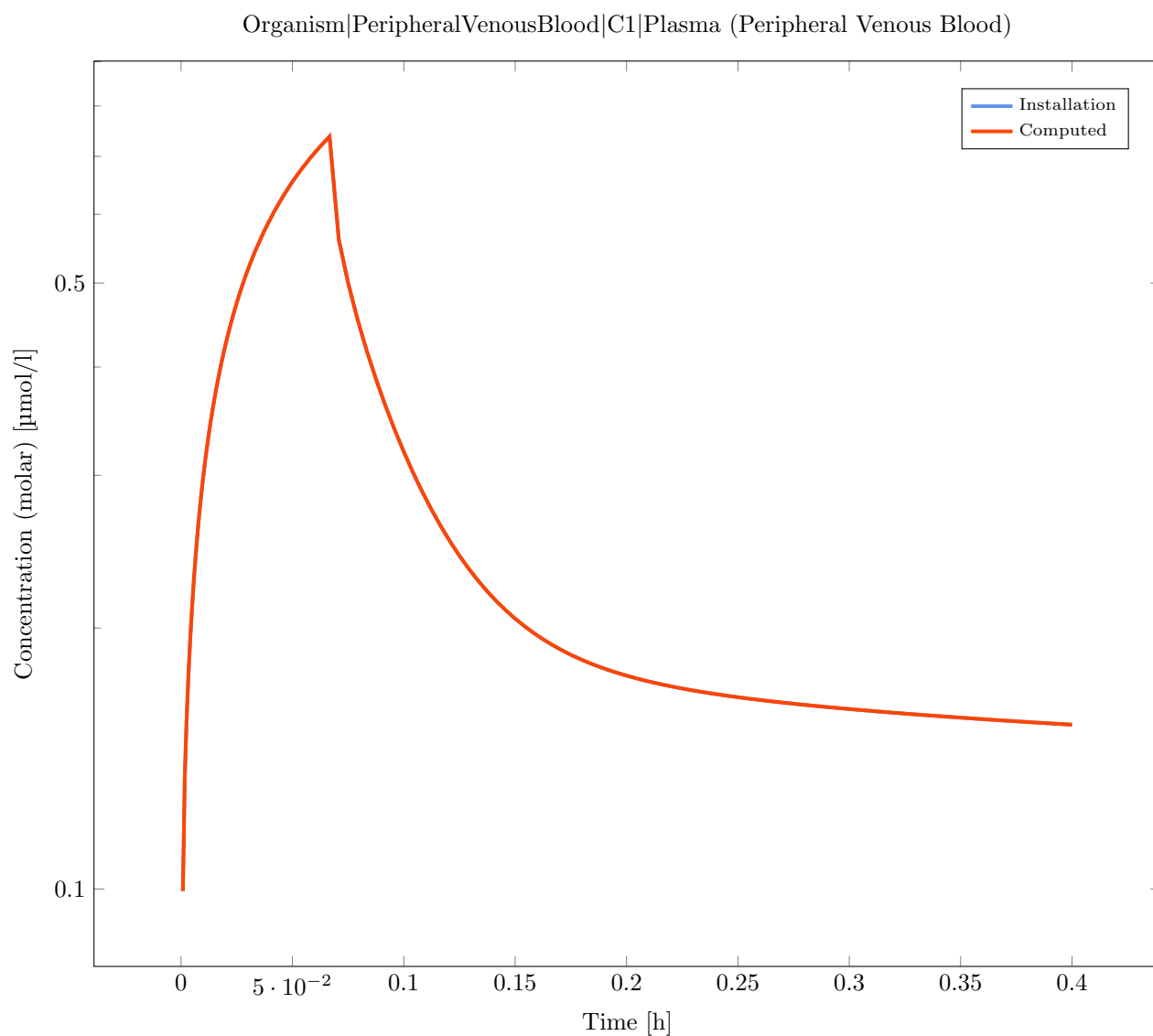


Figure 1.116

**Simulation:** Human\_ICRP\_AGP-06\_ICRP\_30y\_Female

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 0



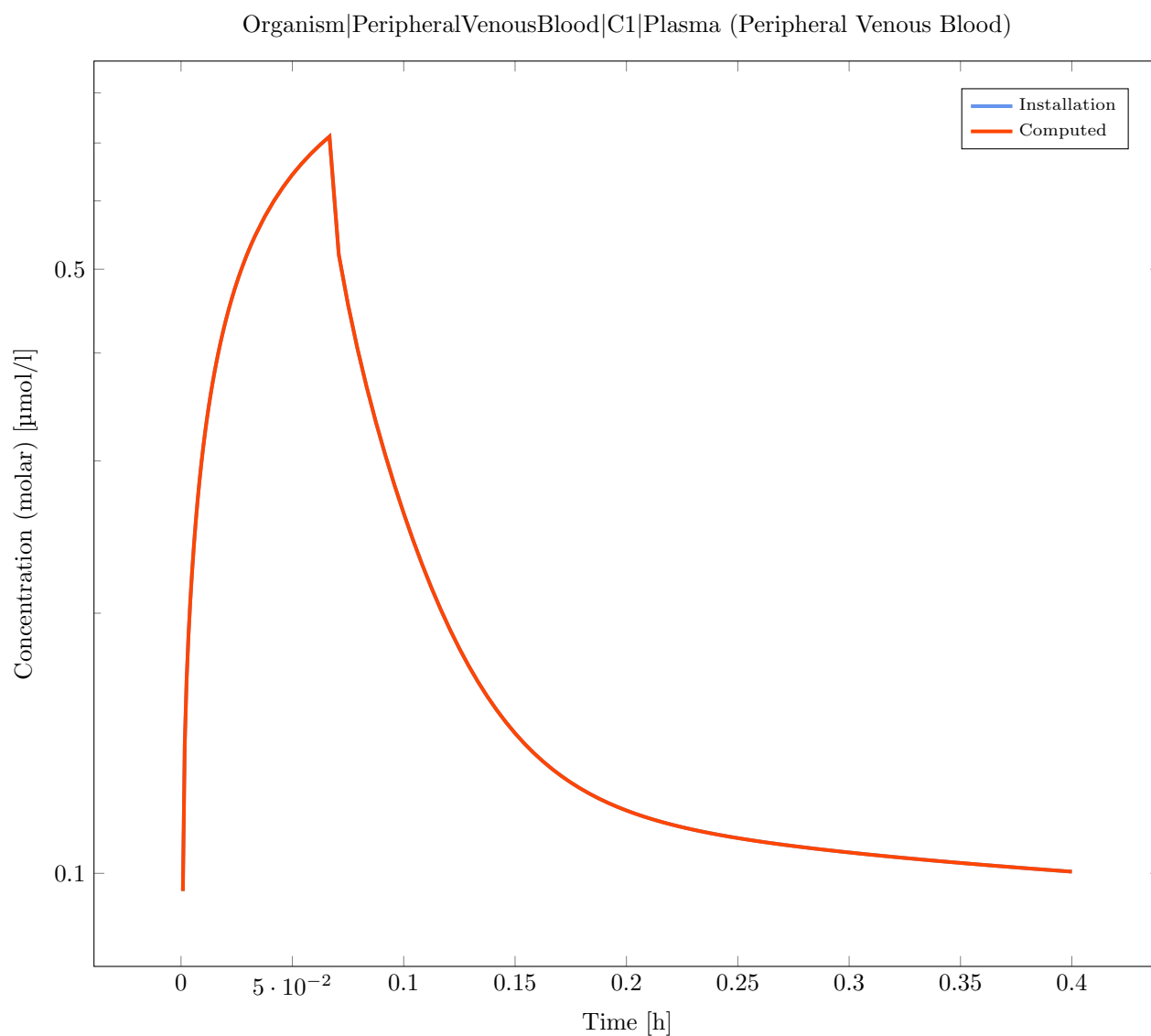


Figure 1.117

**Simulation:** Human\_ICRP\_AGP-07\_ICRP\_100y\_Male

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 0

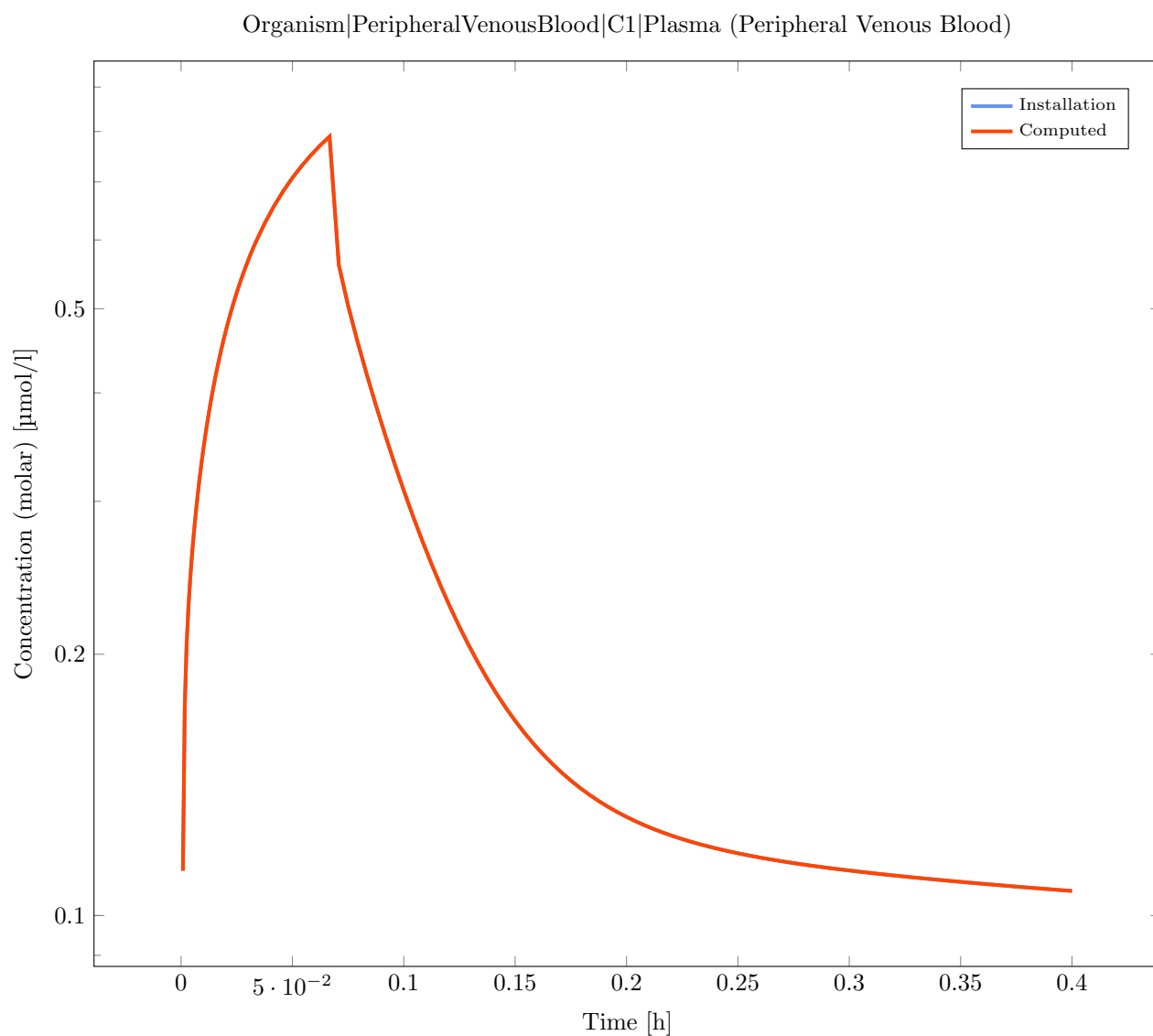


Figure 1.118

**Simulation:** Human\_IrreversibleInhibition-Human\_IrreversibleInhibition

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

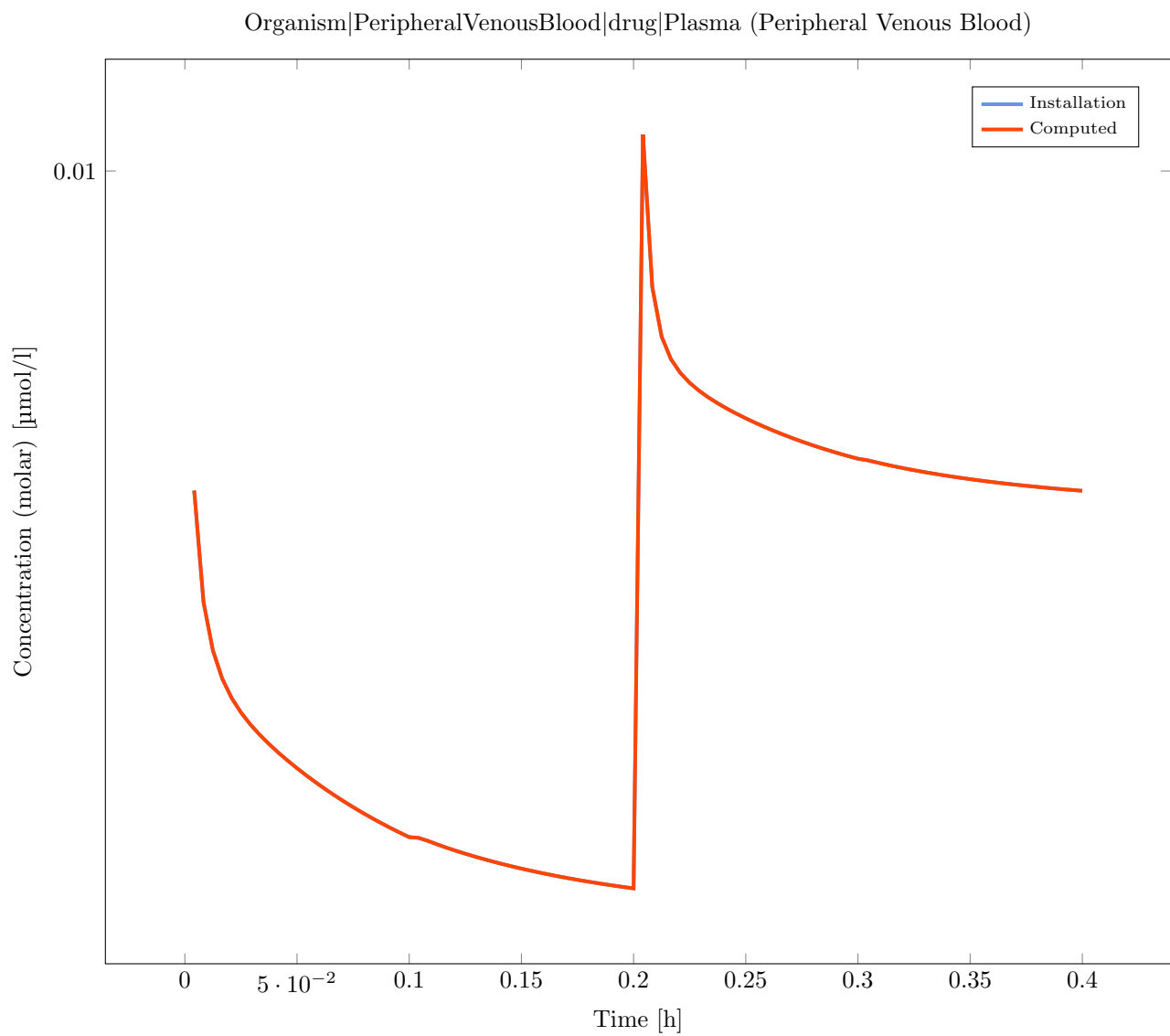


Figure 1.119

**Output Path:** Organism|PeripheralVenousBlood|inhibitor|Plasma (Peripheral Venous Blood)

Deviation: 0

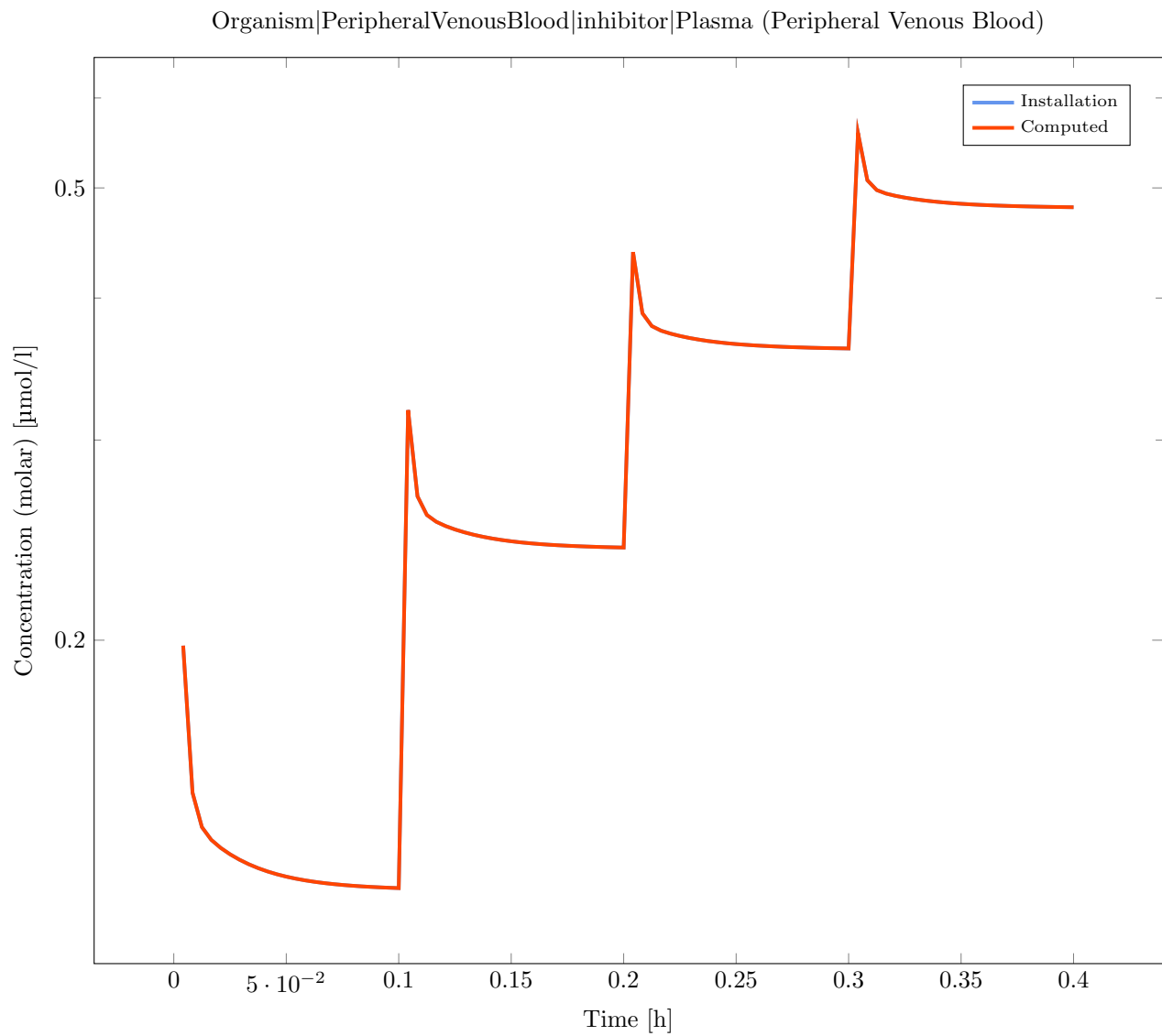


Figure 1.120

**Simulation:** Human\_MixedInhibition-Human\_MixedInhibition

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

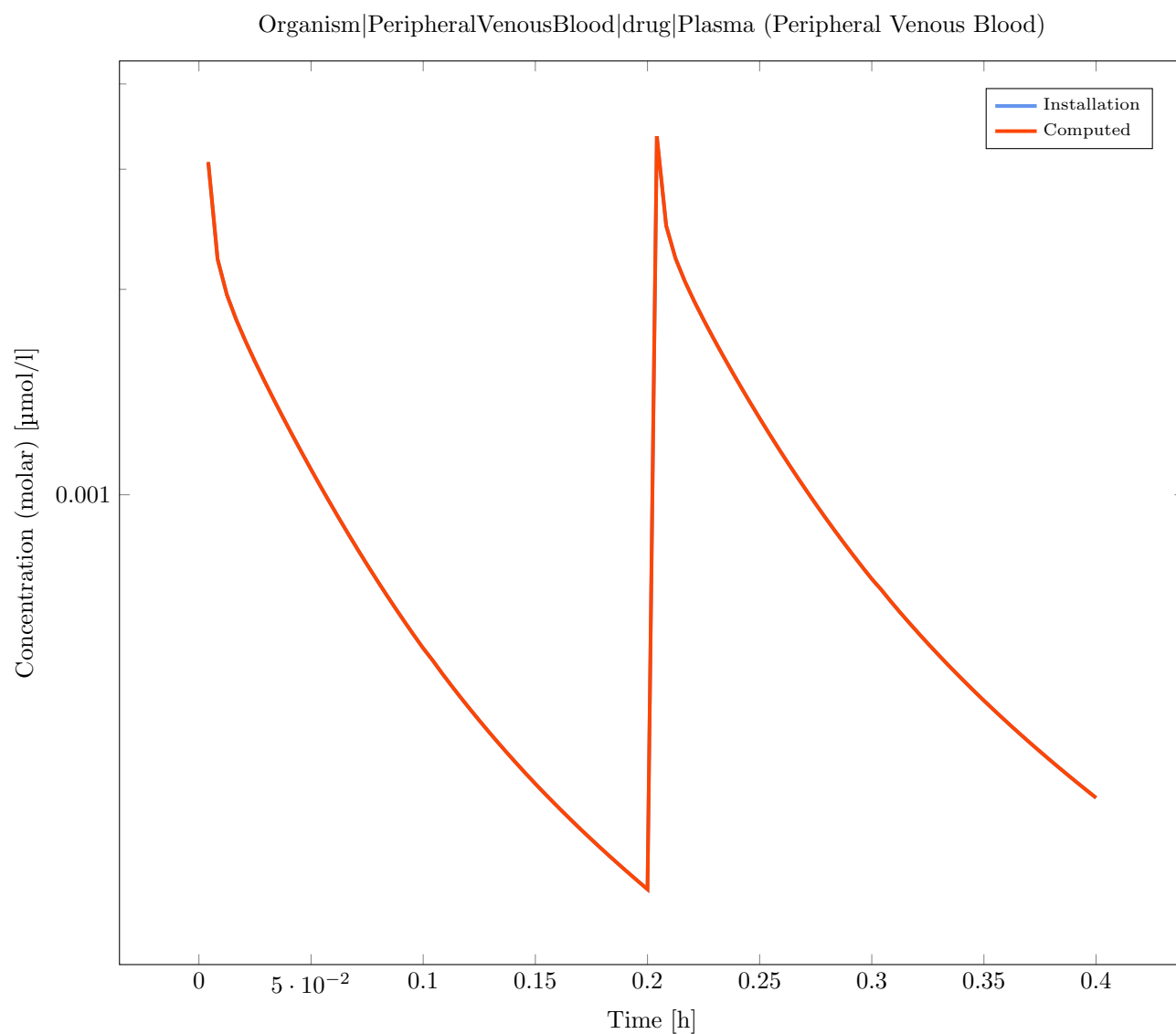


Figure 1.121

**Output Path:** Organism|PeripheralVenousBlood|inhibitor|Plasma (Peripheral Venous Blood)

Deviation: 0

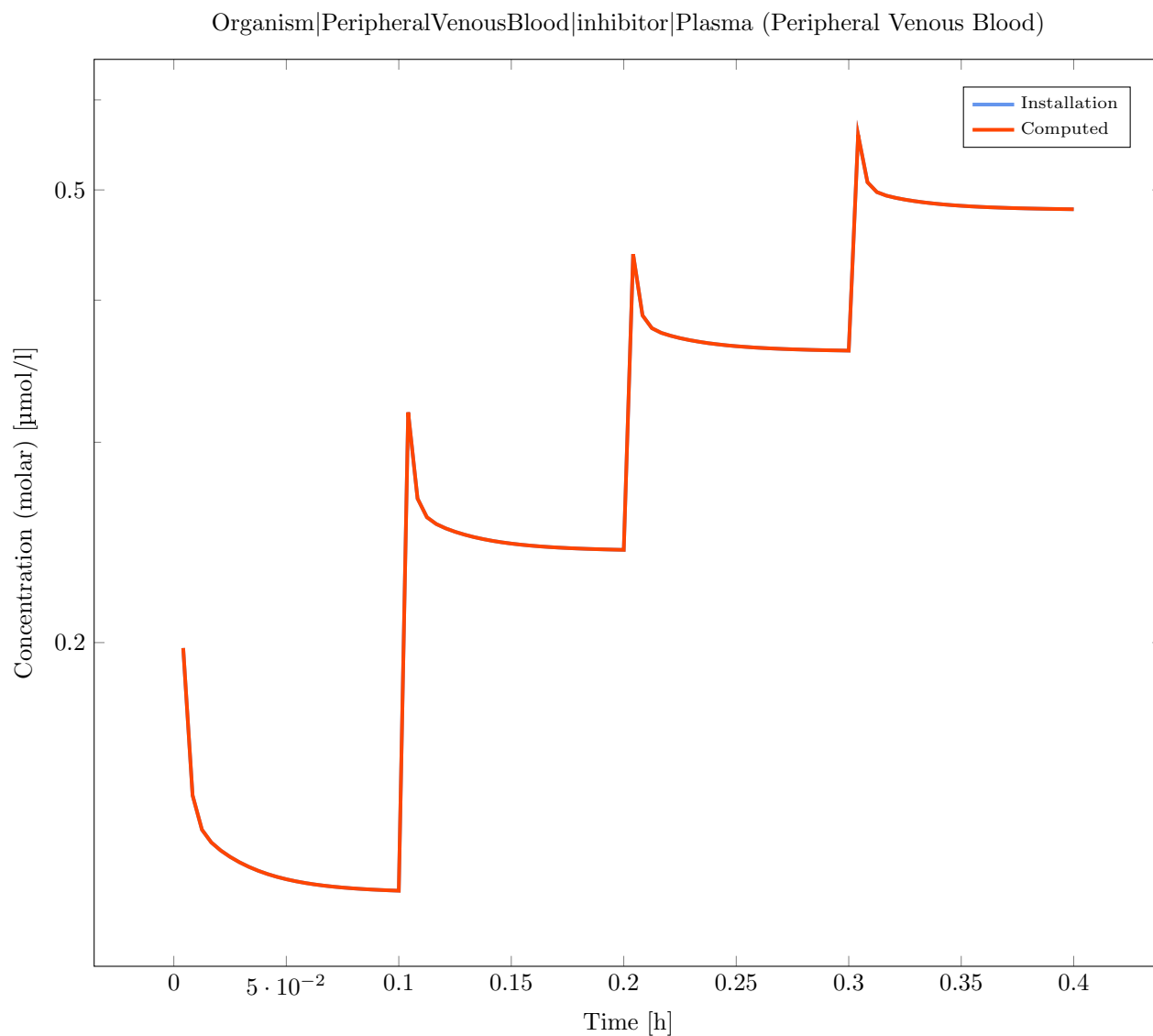


Figure 1.122

**Simulation:** Human\_MultiIV\_6\_6\_12-Human\_MultiIV\_6\_6\_12

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

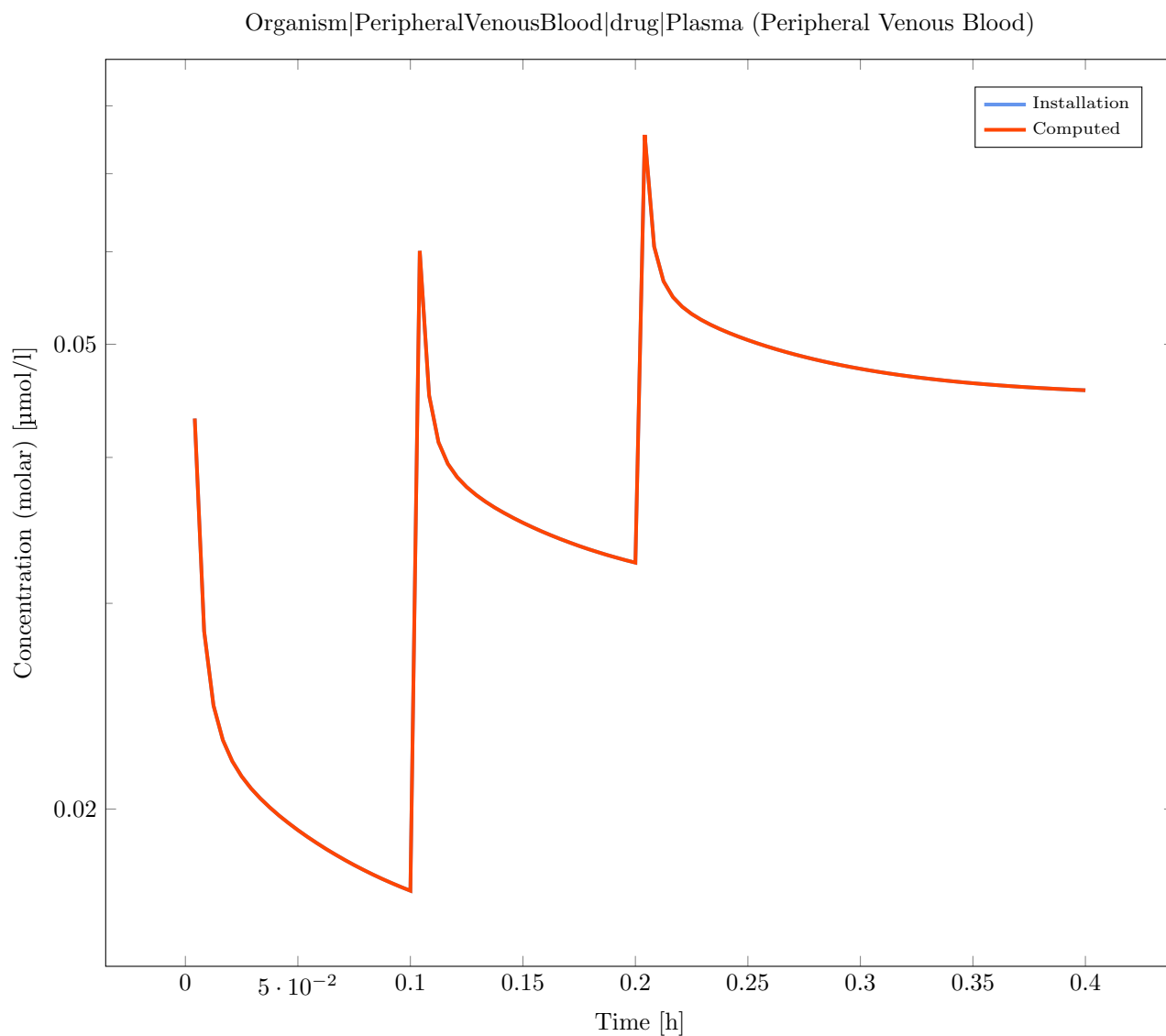


Figure 1.123

**Simulation:** Human\_MultiORAL\_6\_12\_12\_Dissolved-Human\_MultiORAL\_6\_12\_12\_Dissolved

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 1.05E-7

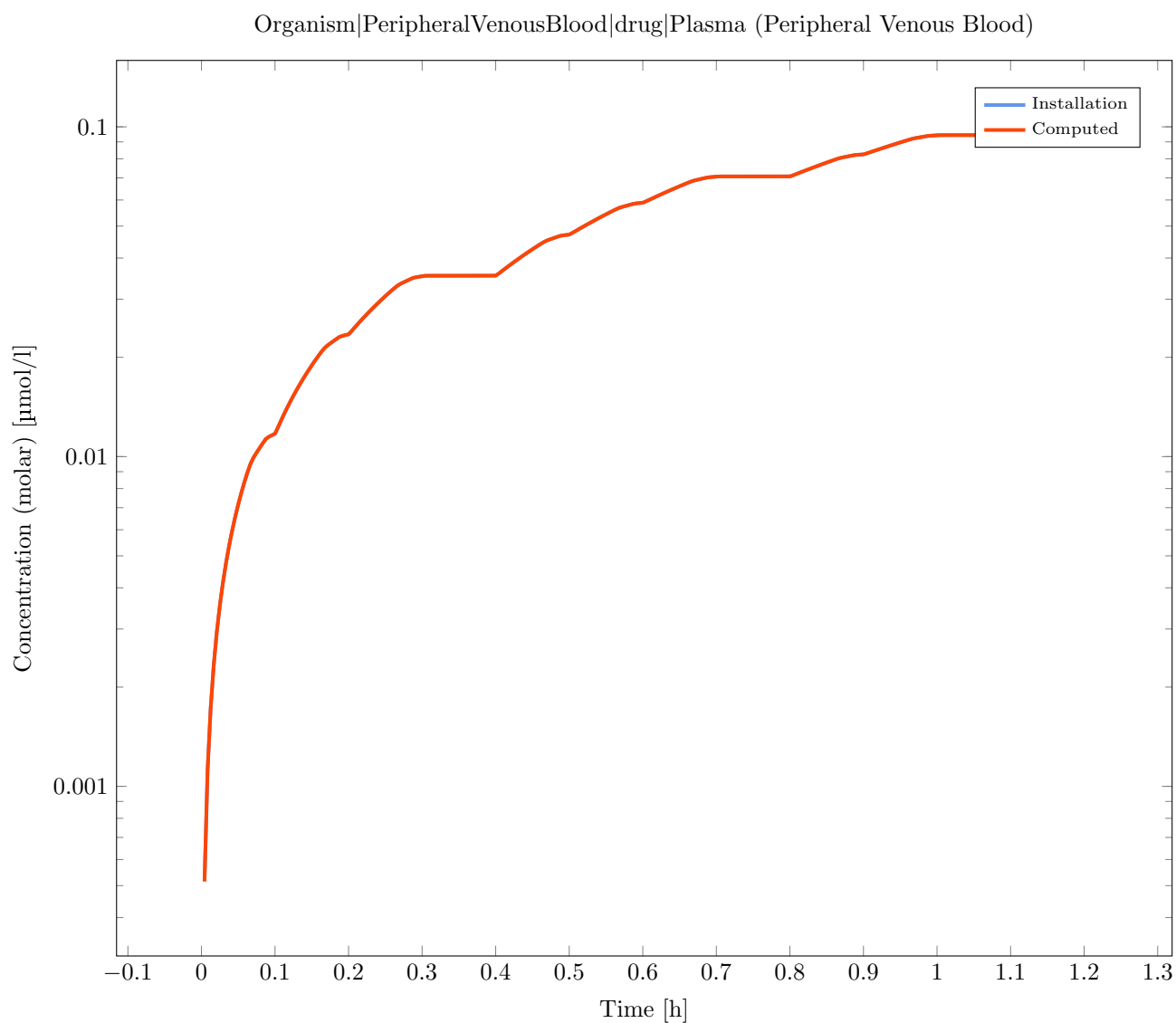


Figure 1.124

**Simulation:** Human\_MultiORAL\_6\_12\_12\_Dissolved-Human\_MultiORAL\_6\_12\_12\_Dissolved\_absorption\_-sink\_conditions

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 6.10E-8



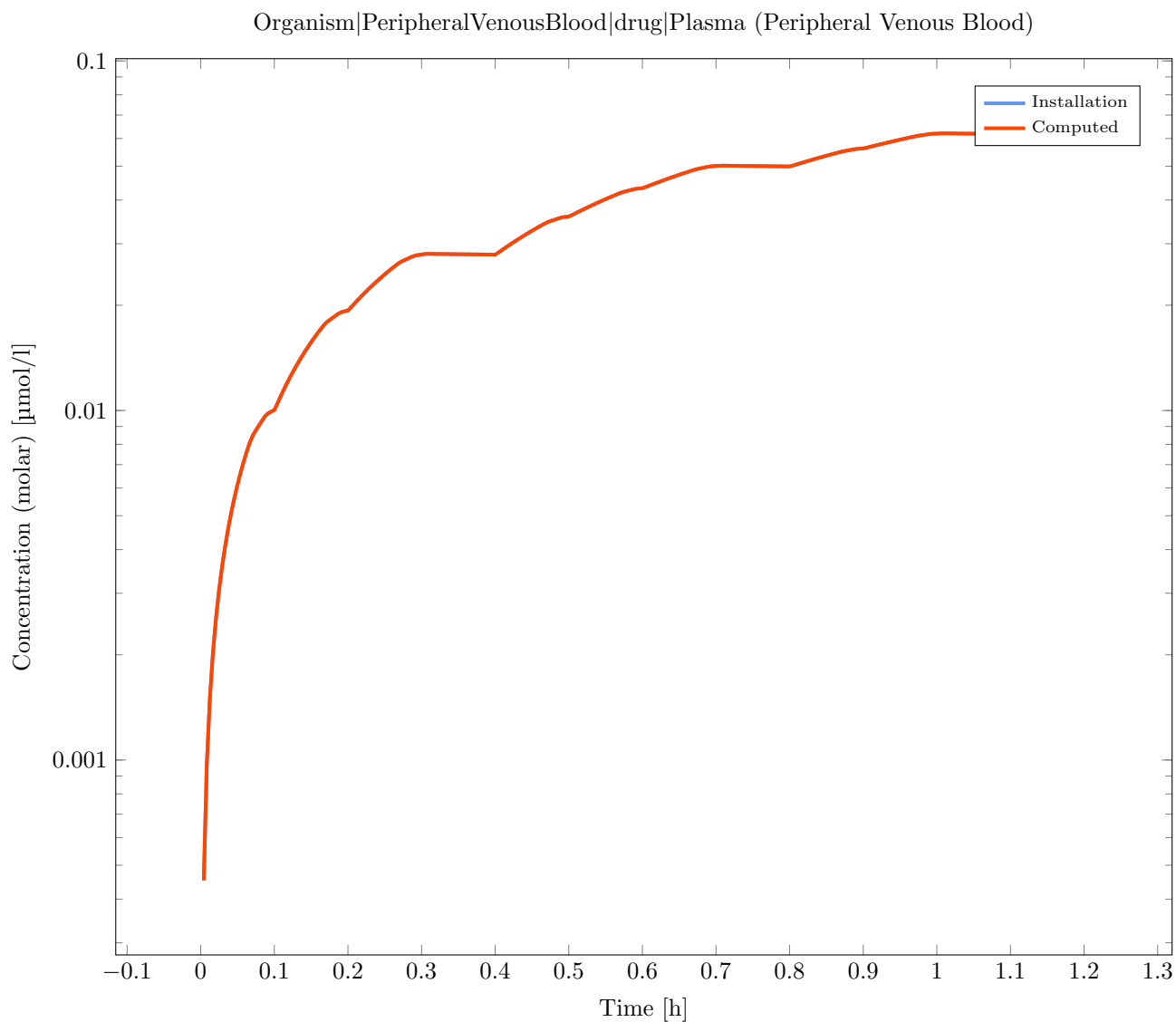


Figure 1.125

**Simulation:** Human\_MultiORAL\_6\_12\_12\_Dissolved-Human\_MultiORAL\_6\_12\_12\_Dissolved\_EHC-continuous\_fraction\_0.5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 1.05E-7

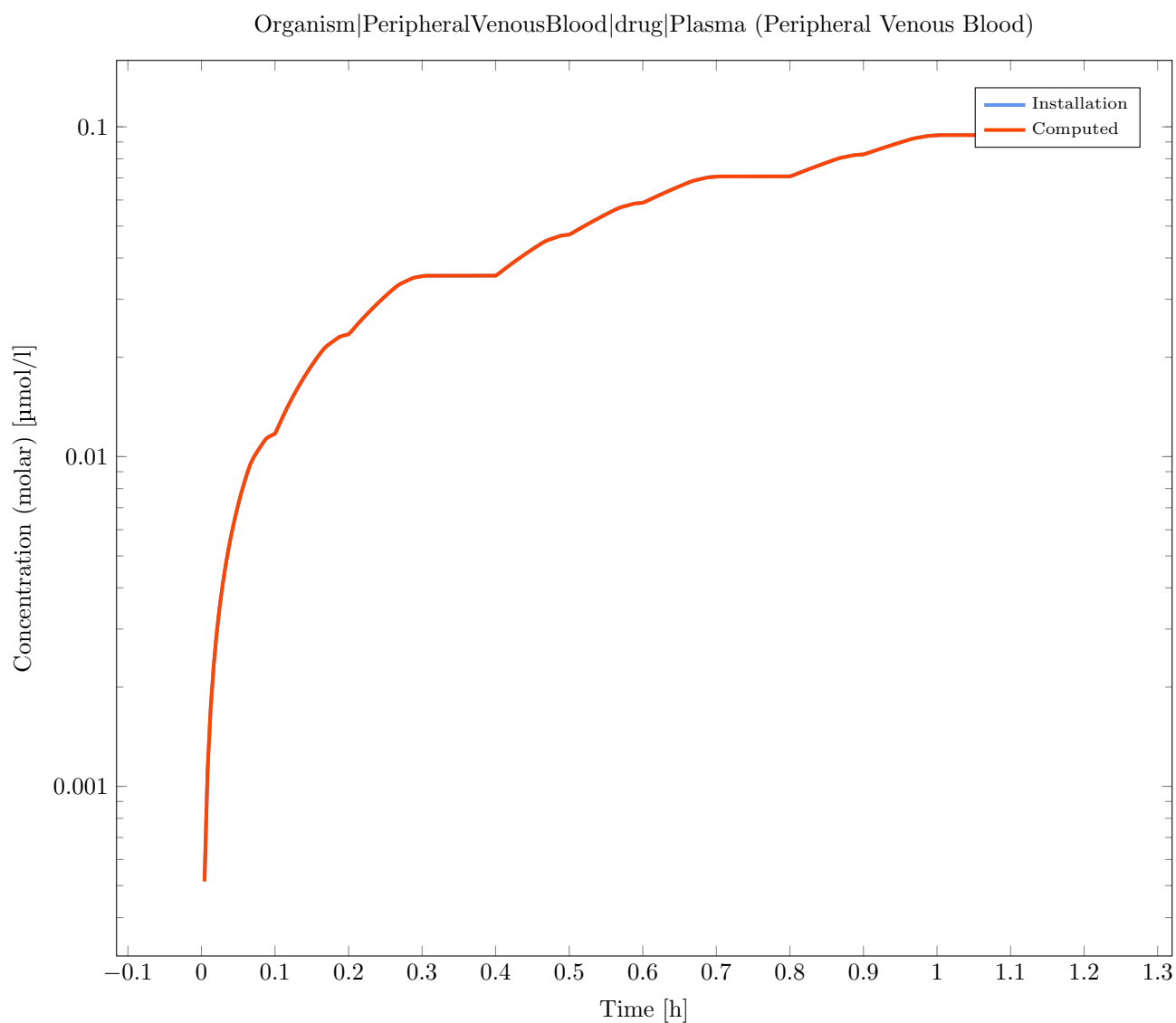


Figure 1.126

**Simulation:** Human\_MultiORAL\_6\_12\_12\_Dissolved-Human\_MultiORAL\_6\_12\_12\_Dissolved\_EHC-continuous\_fraction\_1

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 1.05E-7

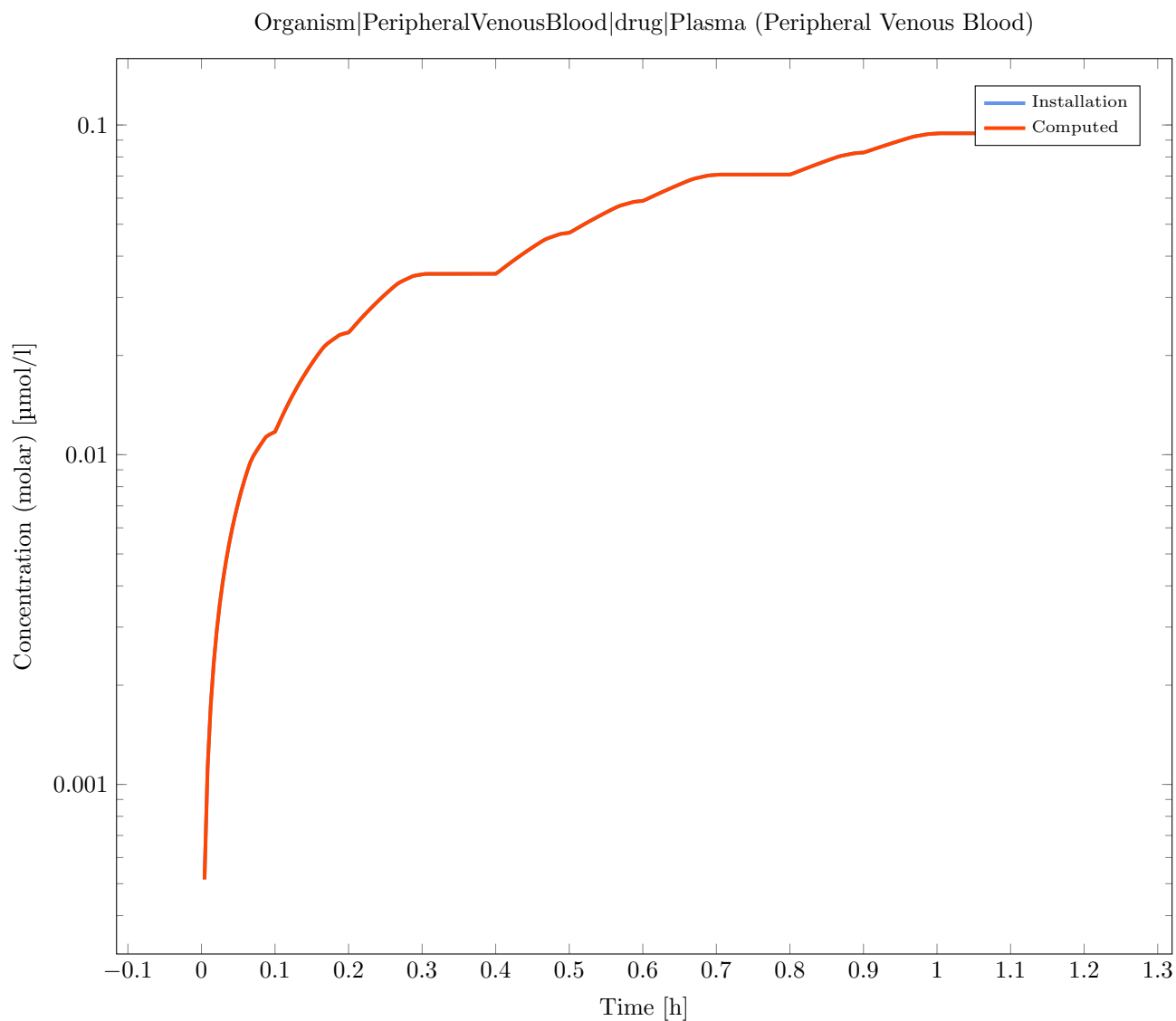


Figure 1.127

**Simulation:** Human\_MultiORAL\_6\_12\_12\_Dissolved-Human\_MultiORAL\_6\_12\_12\_Dissolved\_pKa-dependent penalty factor

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 1.05E-7

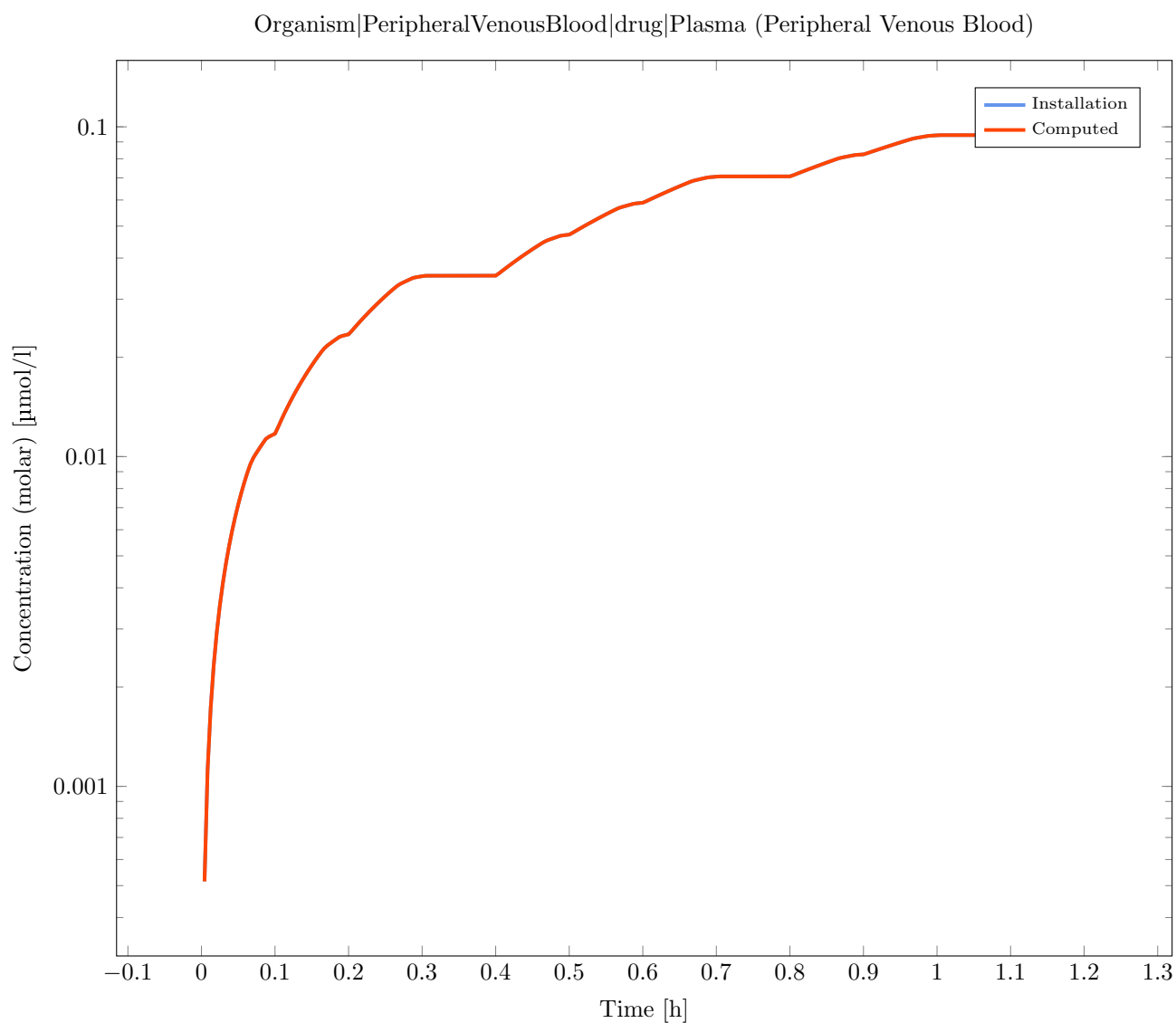


Figure 1.128

**Simulation:** Human\_MultipleIV\_Binding-Human\_MultipleIV\_Binding

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

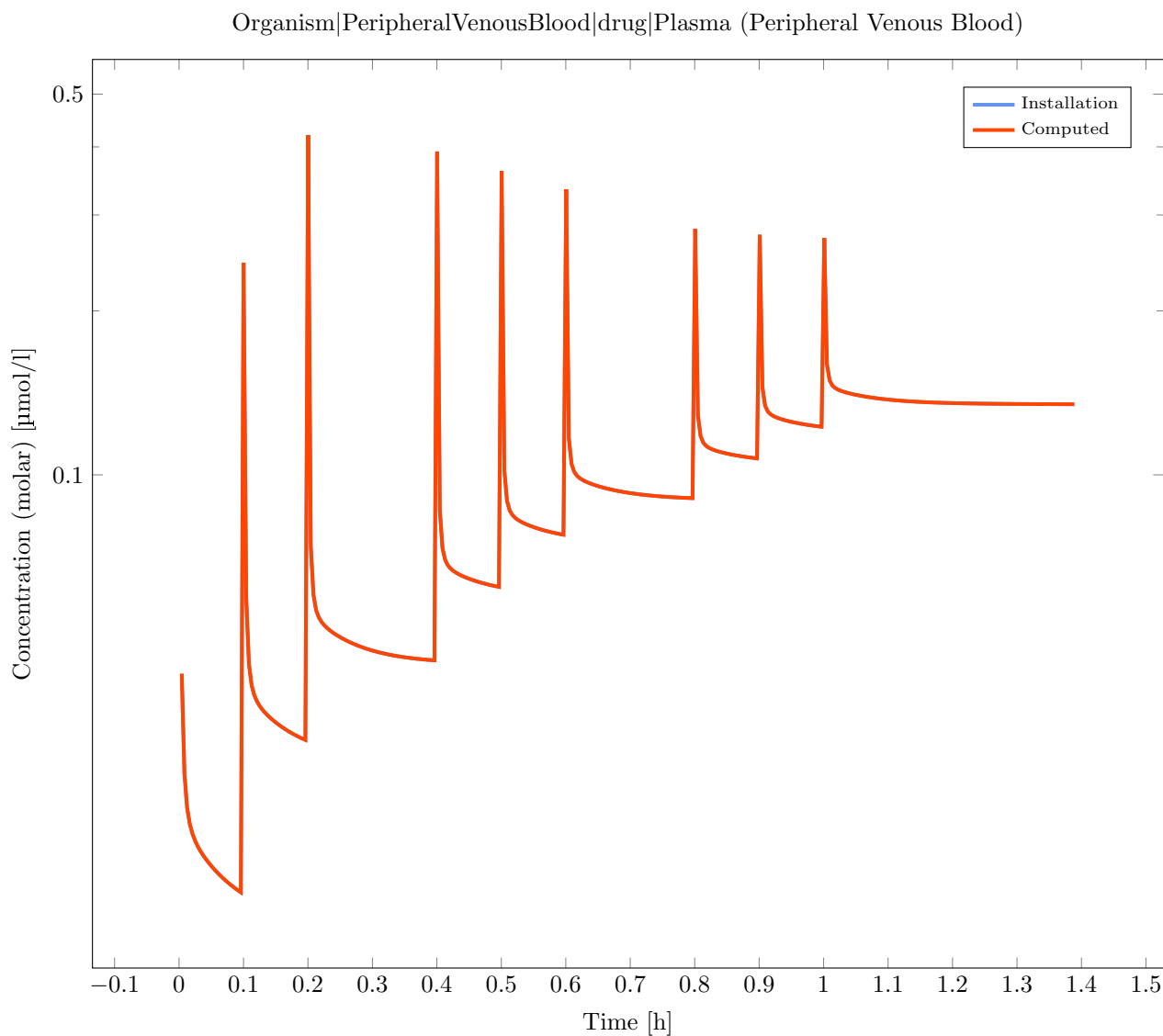


Figure 1.129

**Simulation:** Human\_MultipleIV\_EffluxBasolateral-Human\_MultipleIV\_EffluxBasolateral

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

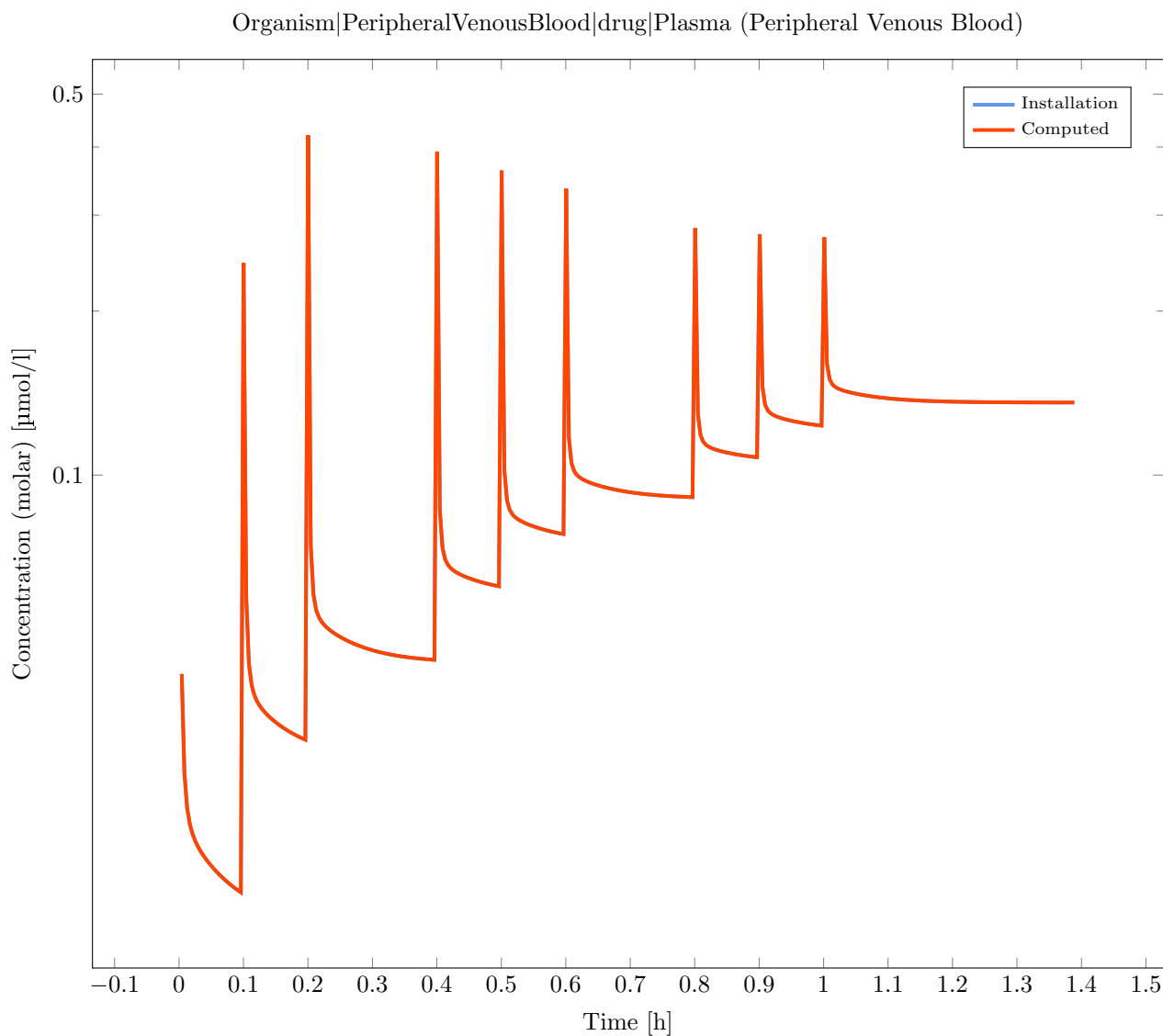


Figure 1.130

**Simulation:** Human\_MultipleIV\_Efflux-Human\_MultipleIV\_Efflux

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

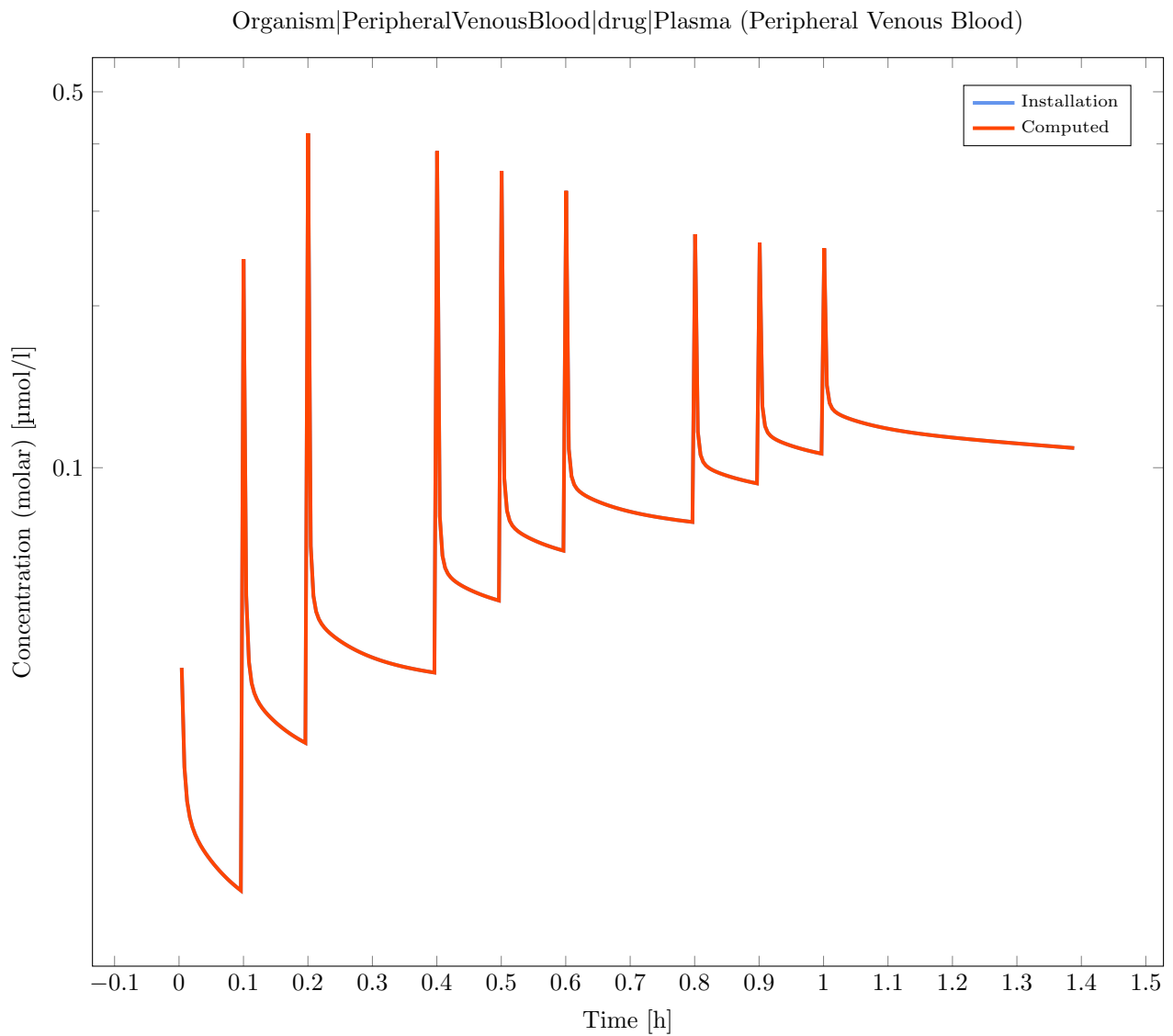


Figure 1.131

**Simulation:** Human\_MultipleIV\_InfluxBasolateral-Human\_MultipleIV\_InfluxBasolateral

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

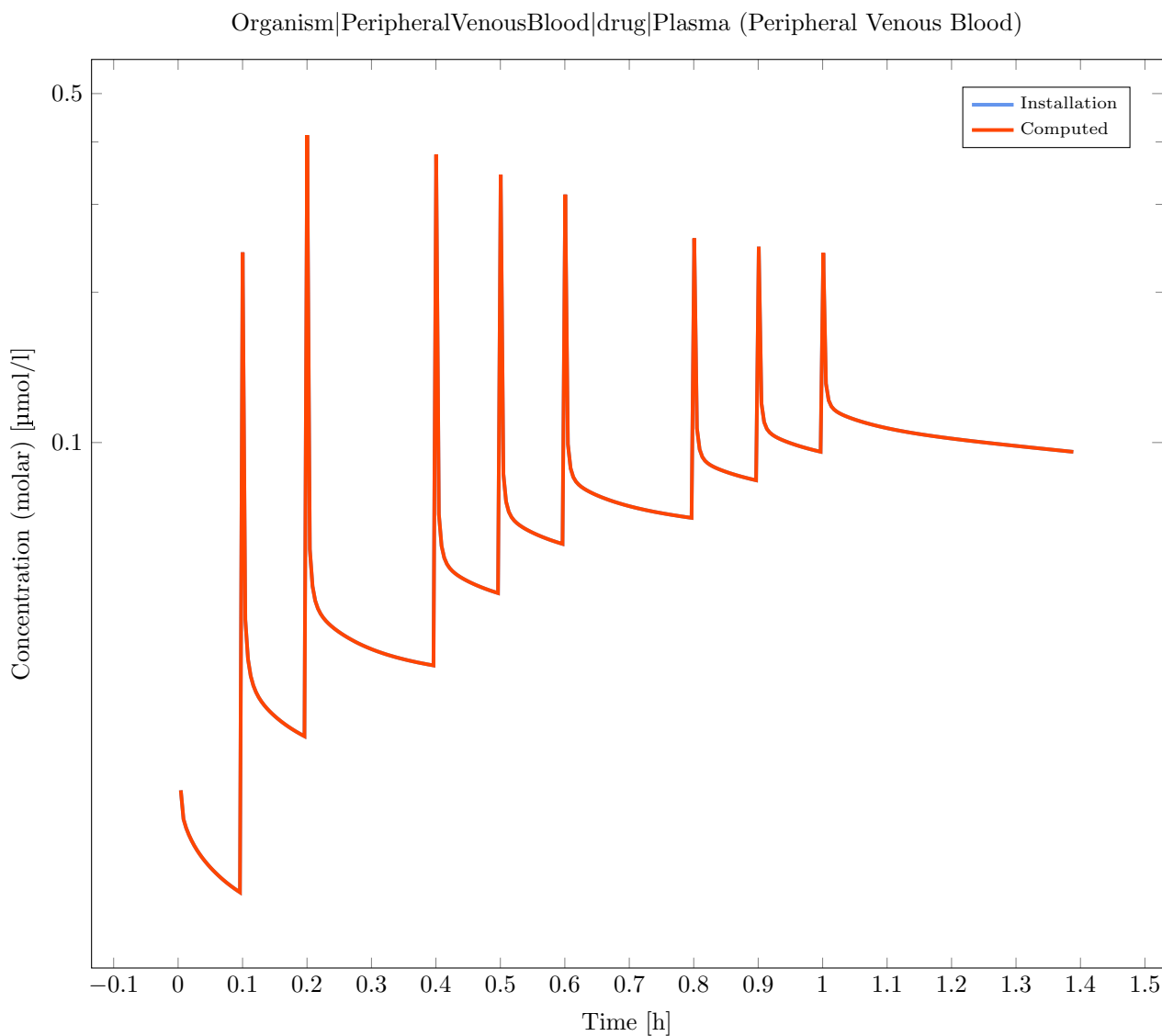


Figure 1.132

**Simulation:** Human\_MultipleIV\_Influx-Human\_MultipleIV\_ActiveInflux

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 3.51E-5



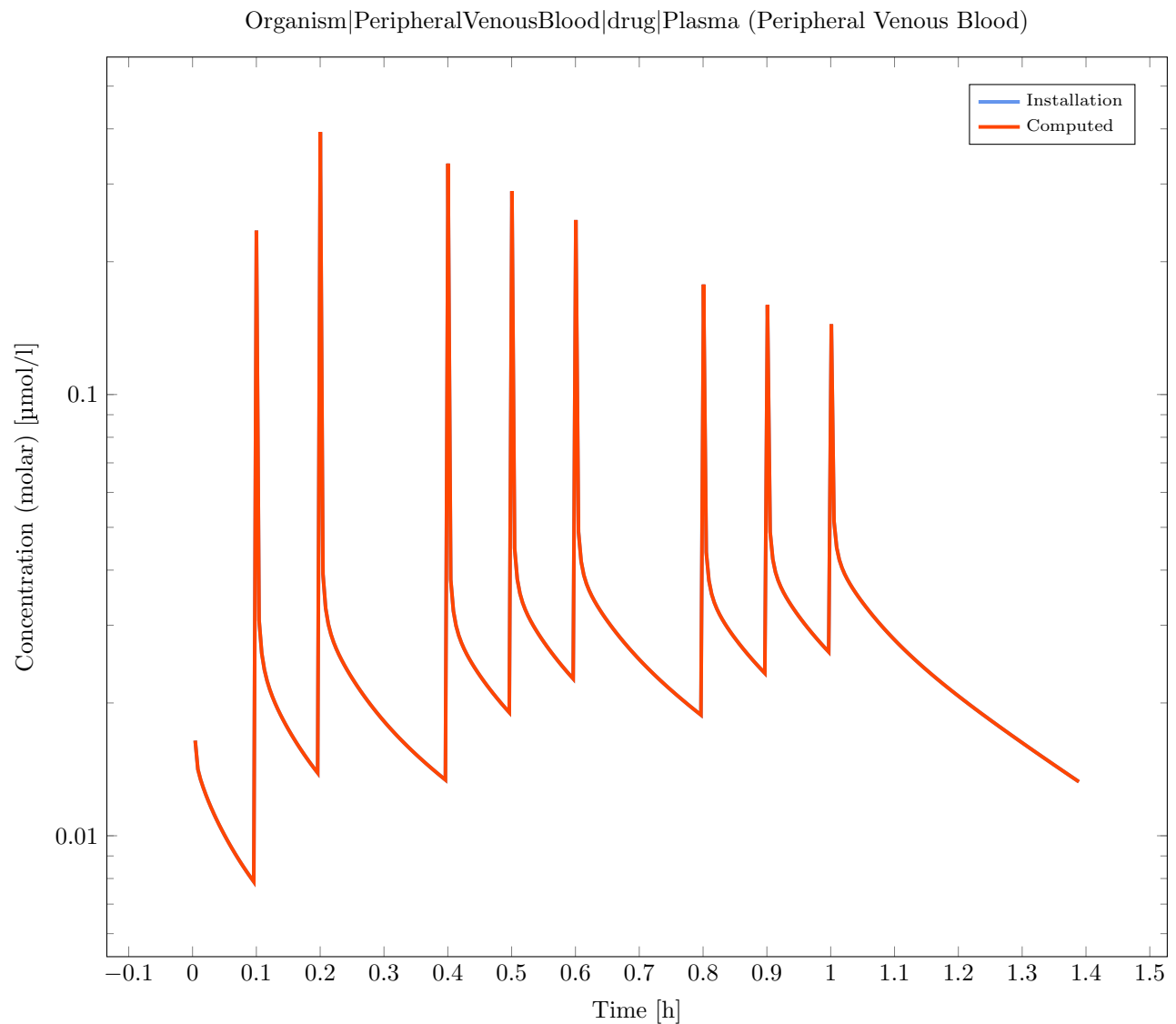


Figure 1.133

**Simulation:** Human\_MultipleIV\_MetabolizmBinding-Human\_MultipleIV\_MetabolizmBinding

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

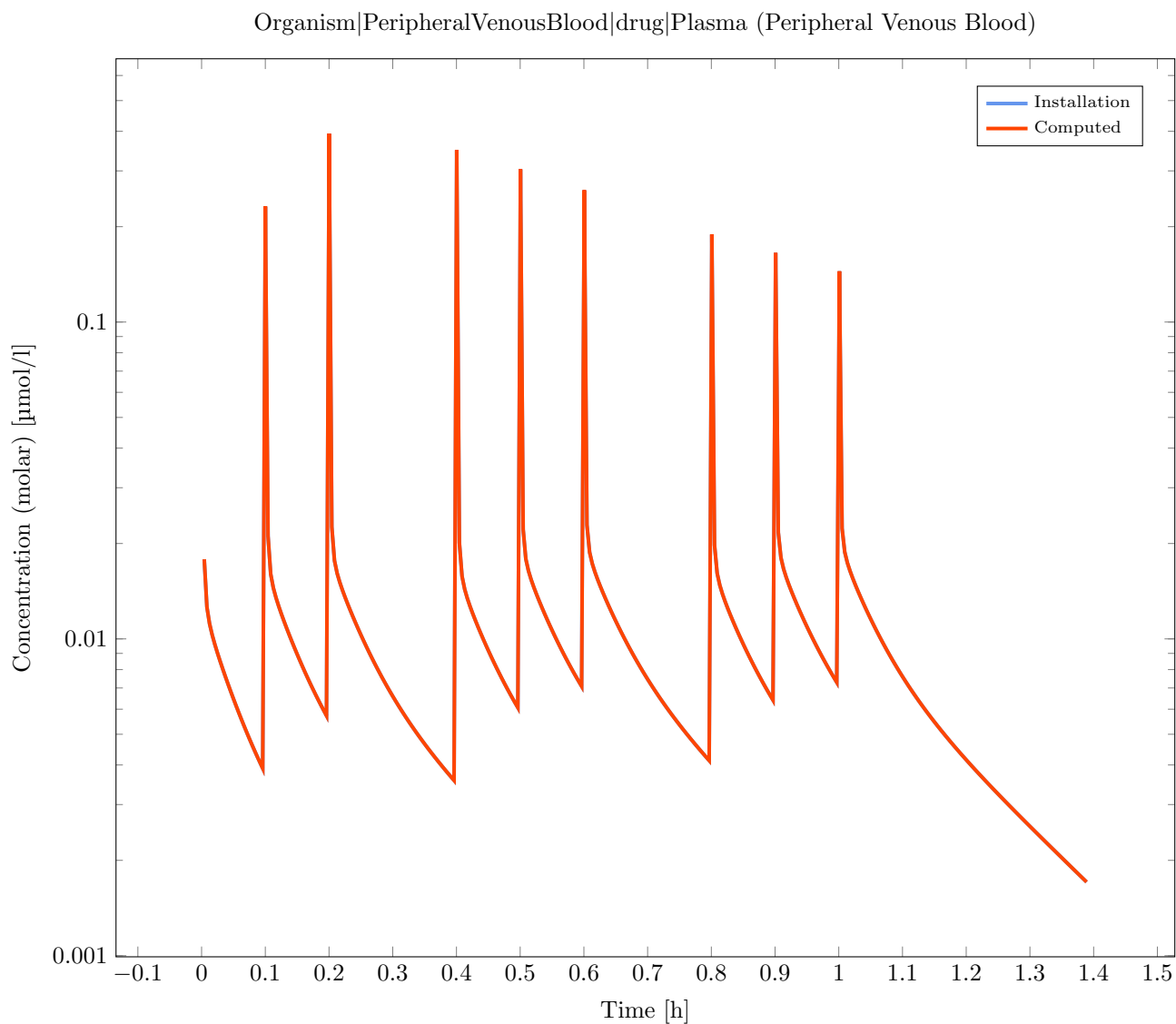


Figure 1.134

**Simulation:** Human\_MultipleIV\_Metabolism-Human\_MultipleIV\_Metabolism

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

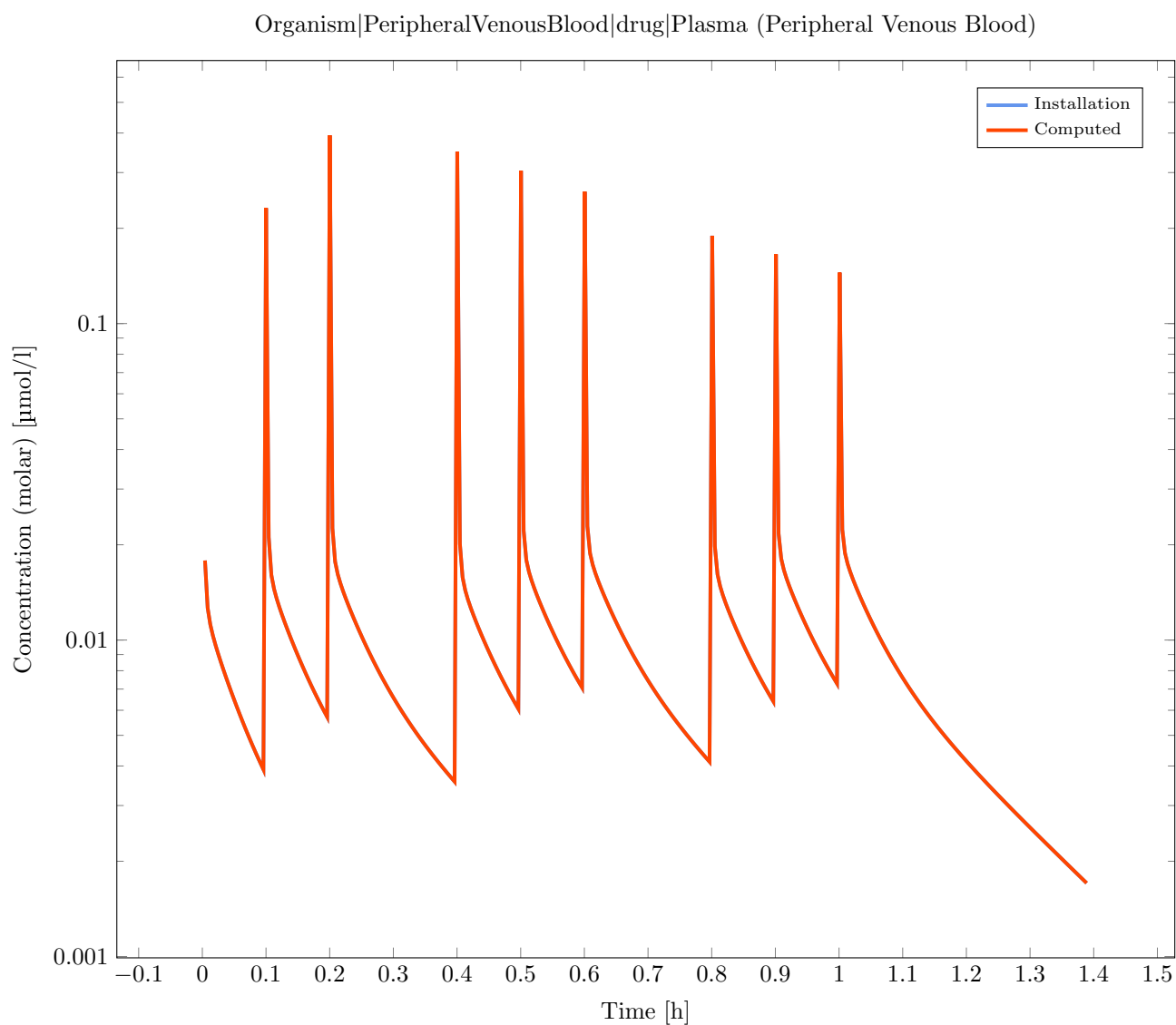


Figure 1.135

**Simulation:** Human\_MultipleIV\_PGPBasolateral-Human\_MultipleIV\_PGPBasolateral

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

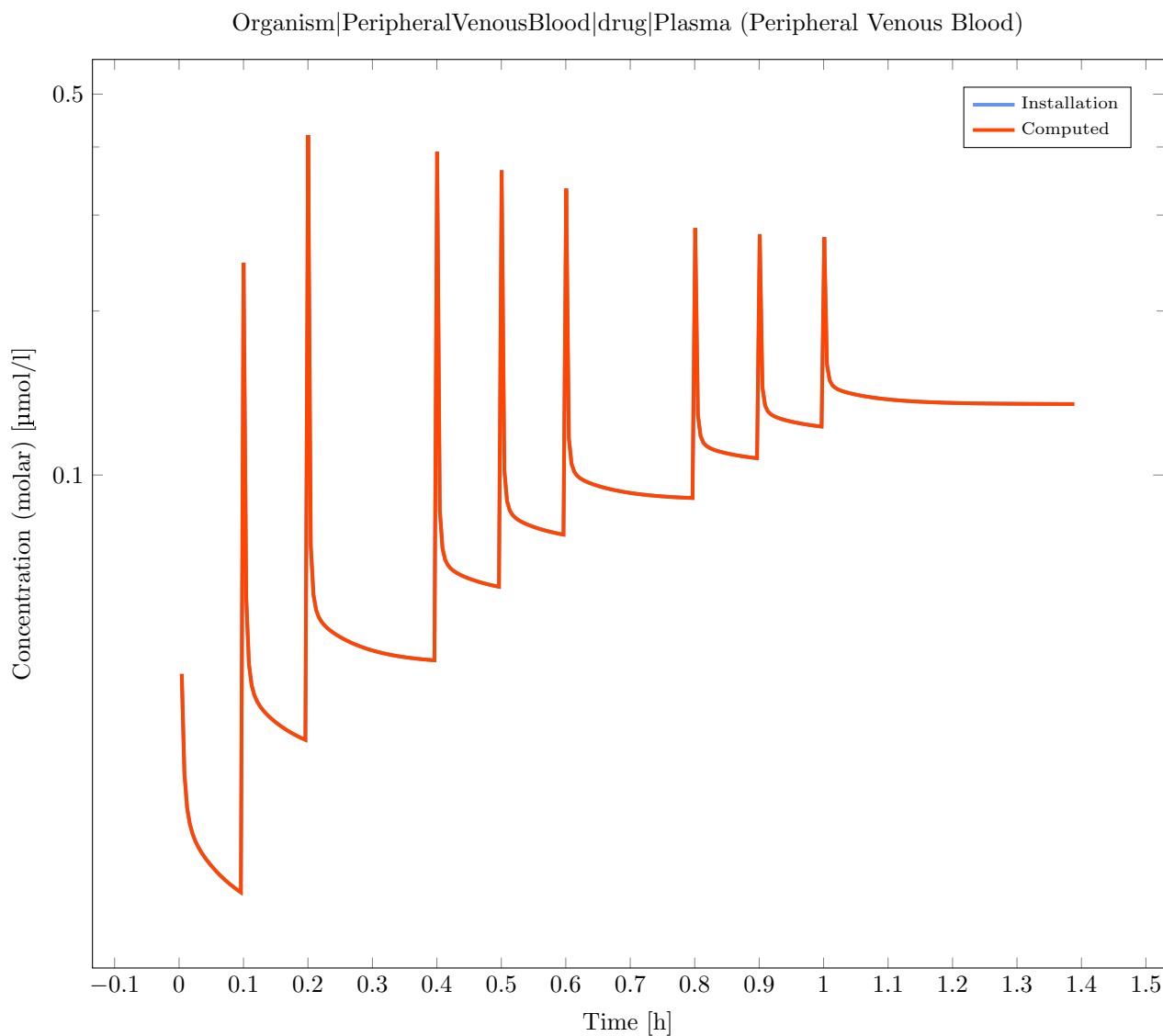


Figure 1.136

**Simulation:** Human\_MultipleIV\_PGP-Human\_MultipleIV\_PGP

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

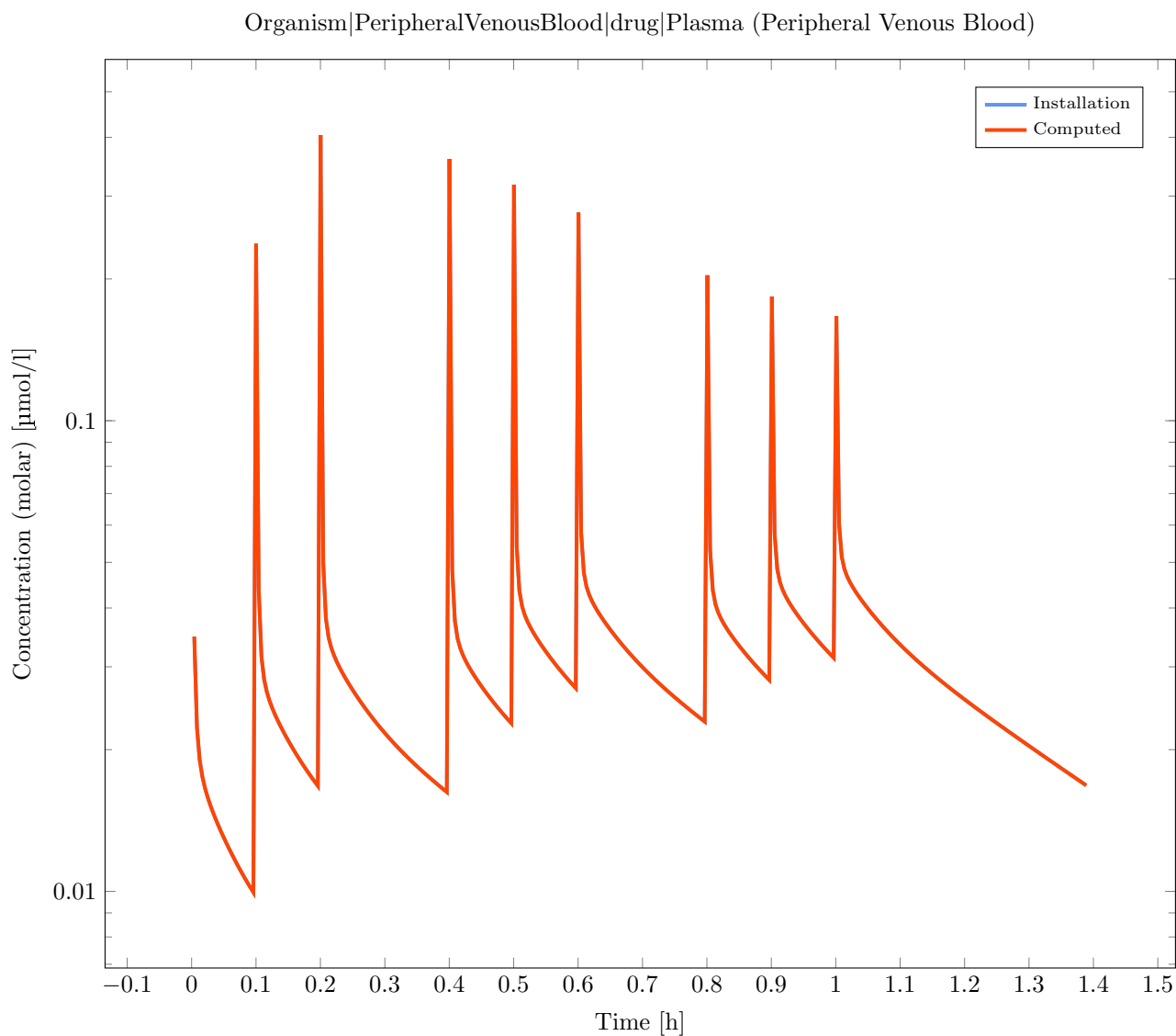


Figure 1.137

**Simulation:** Human\_NonCompetitiveInhibition-Human\_NonCompetitiveInhibition

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

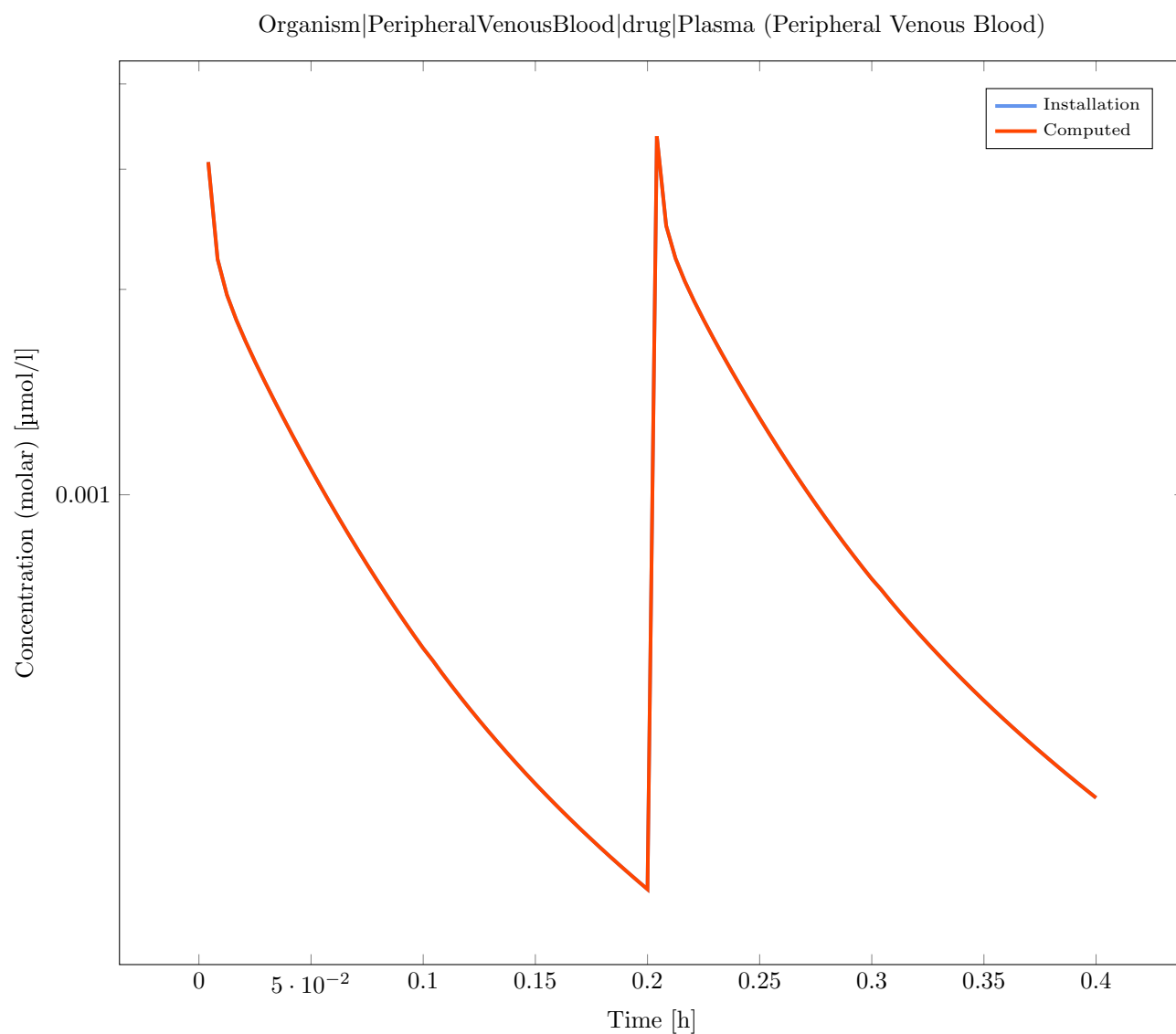


Figure 1.138

**Output Path:** Organism|PeripheralVenousBlood|inhibitor|Plasma (Peripheral Venous Blood)

Deviation: 0

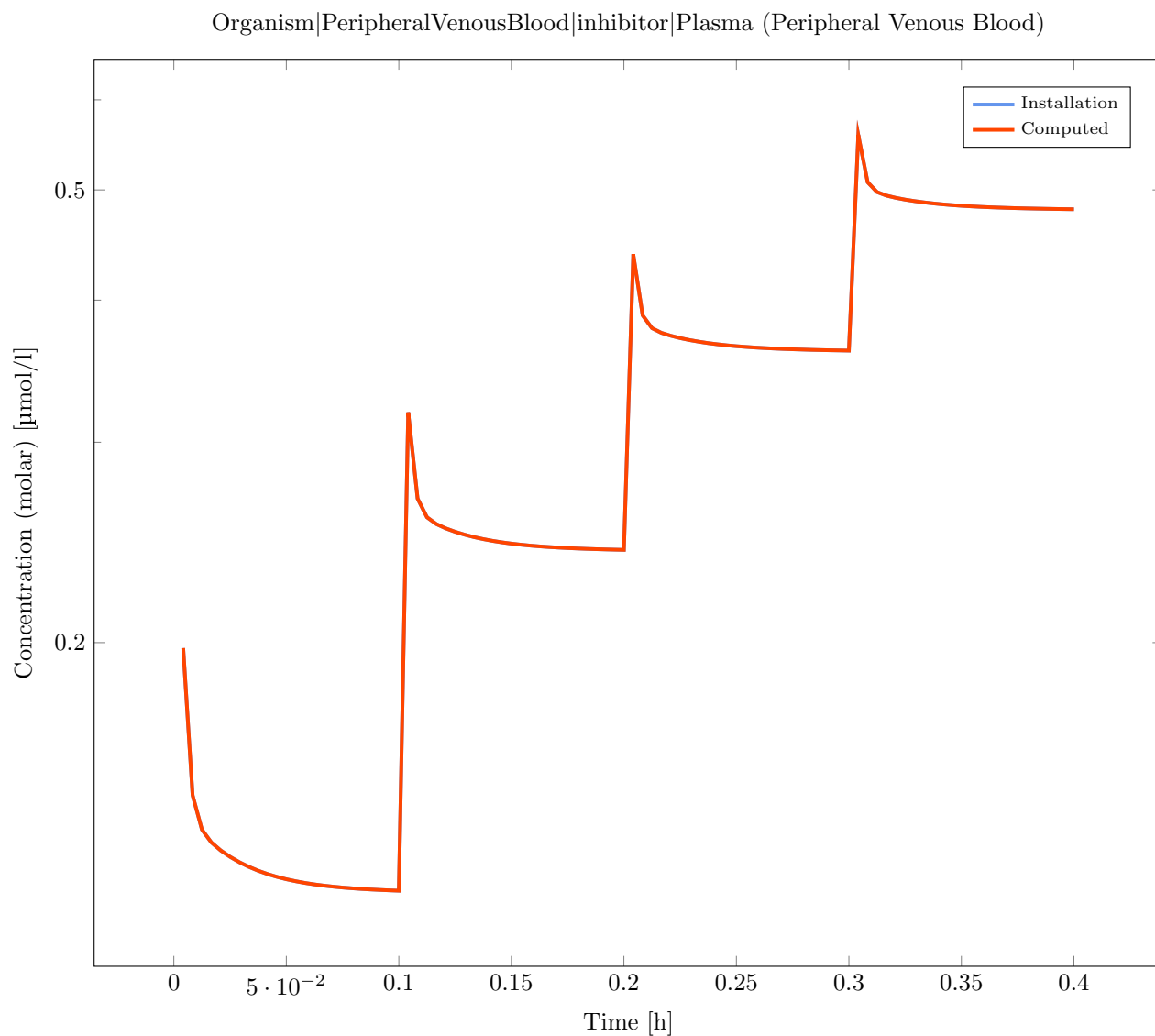


Figure 1.139

**Simulation:** Human\_Oral\_BiDaily\_TableFormulation-S1\_suspension

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 5.83E-5

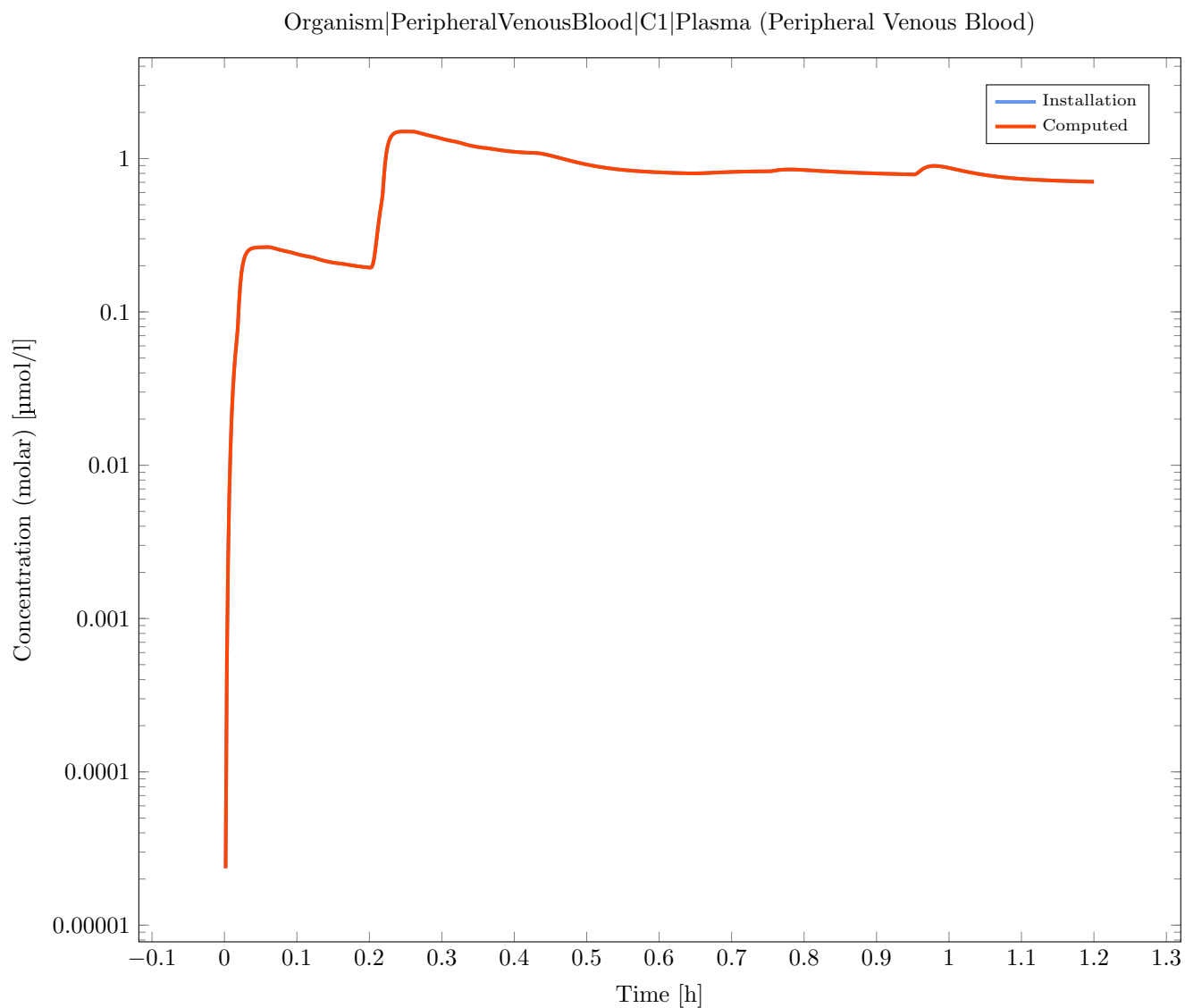


Figure 1.140

**Simulation:** Human\_Oral\_BiDaily\_TableFormulation-S2\_NoSuspension

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 0



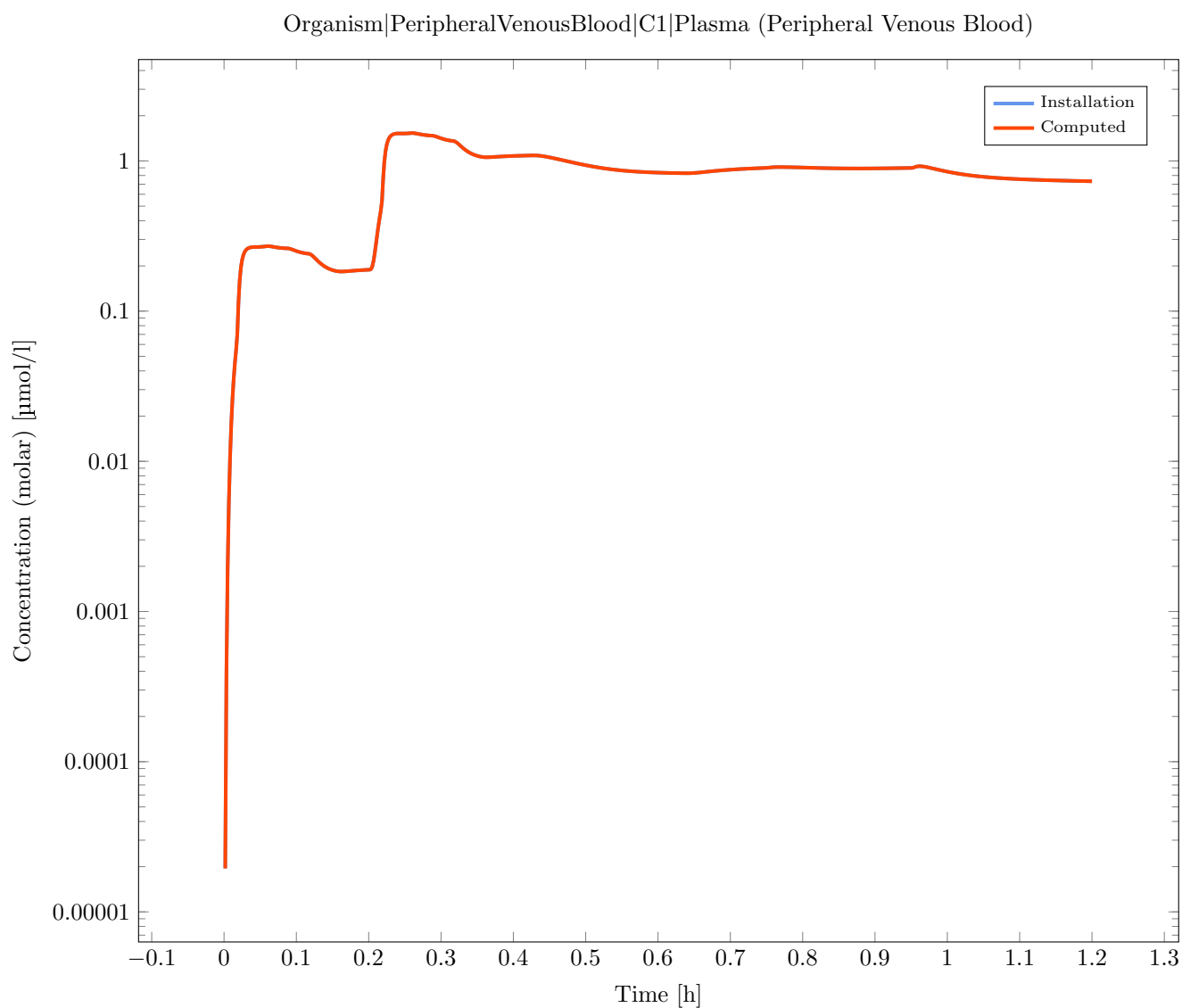


Figure 1.141

**Simulation:** Human\_pH\_SolubilityTable-S1\_Table

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 3.30E-5

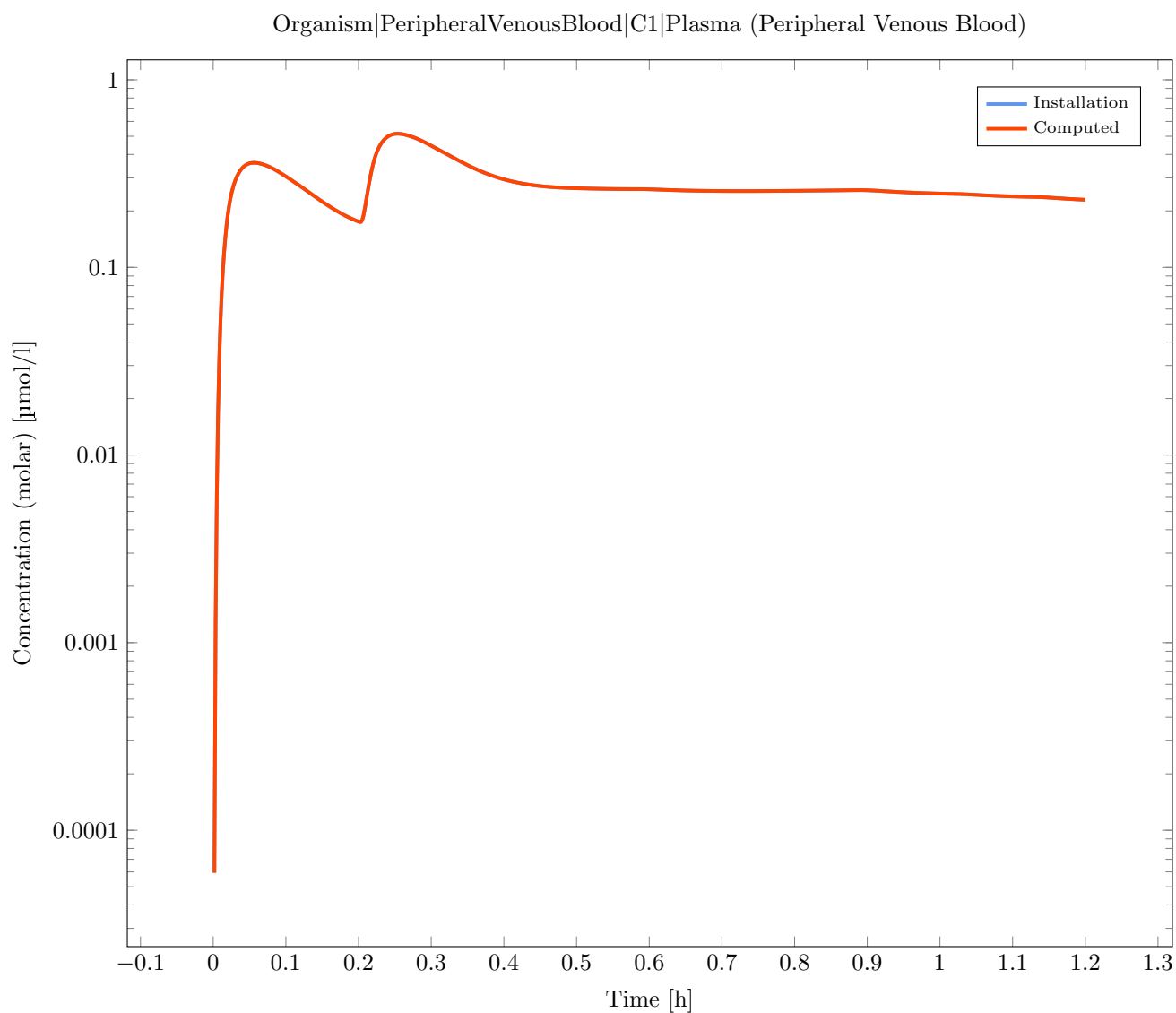


Figure 1.142

**Simulation:** Human\_pH\_SolubilityTable-S2\_Measurement

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 4.60E-6

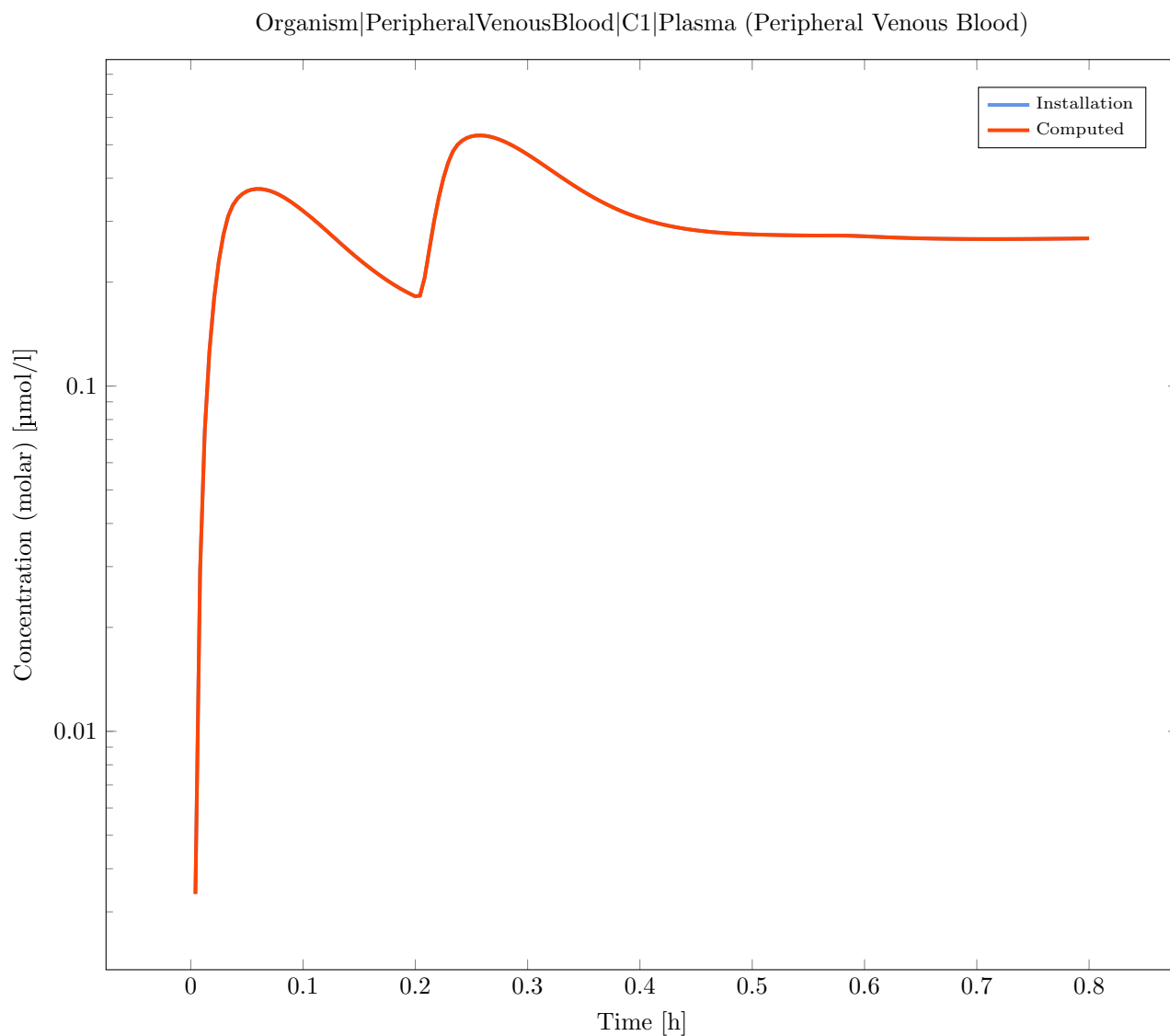


Figure 1.143

**Simulation:** Human\_pH\_SolubilityTable-S3\_Table\_SolubilityChanged

Result of the validation: **Valid**

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 3.96E-6

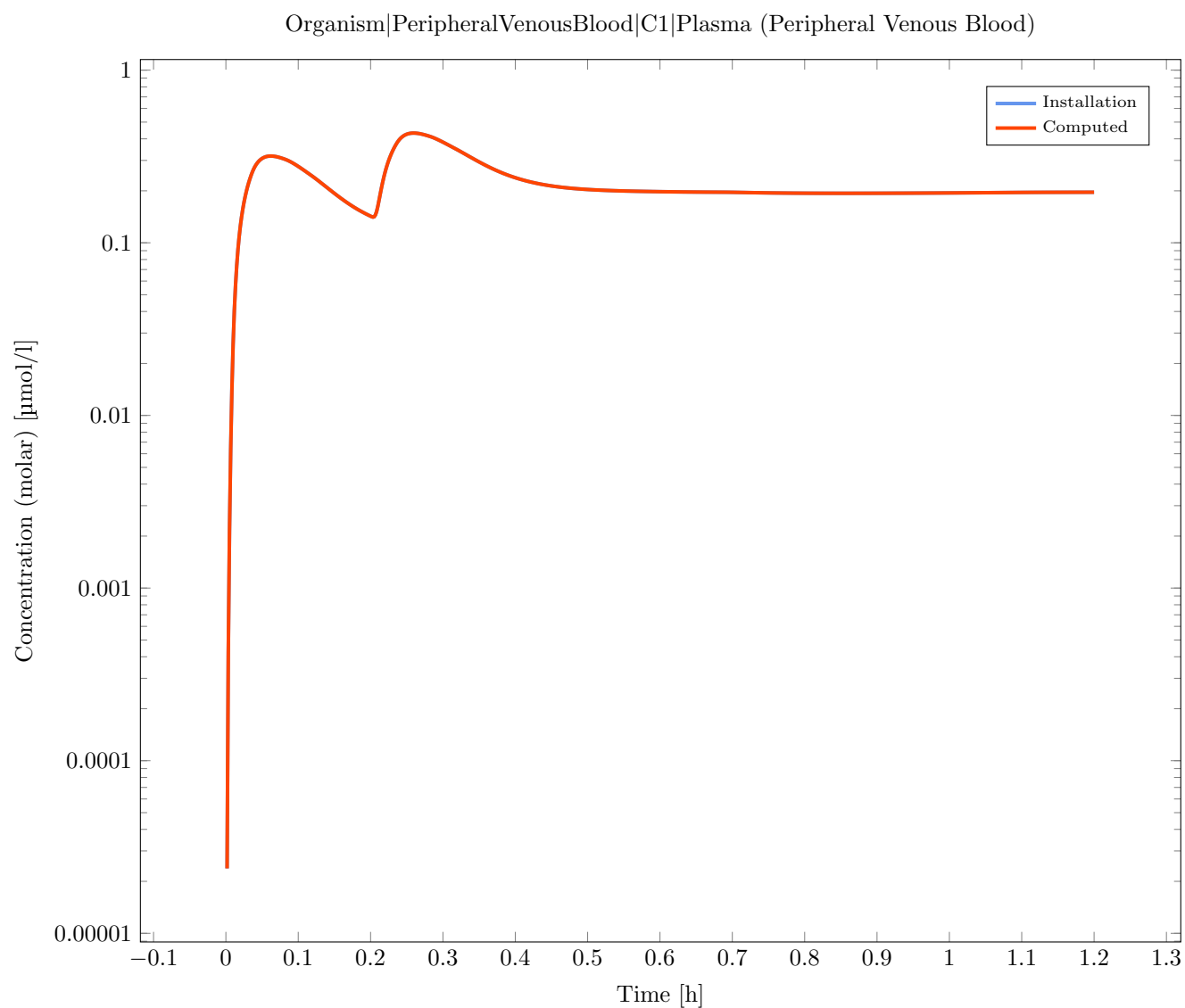


Figure 1.144

**Simulation:** Human\_pH\_SolubilityTable-S4\_Table\_SolubilityTableChanged

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 1.66E-7

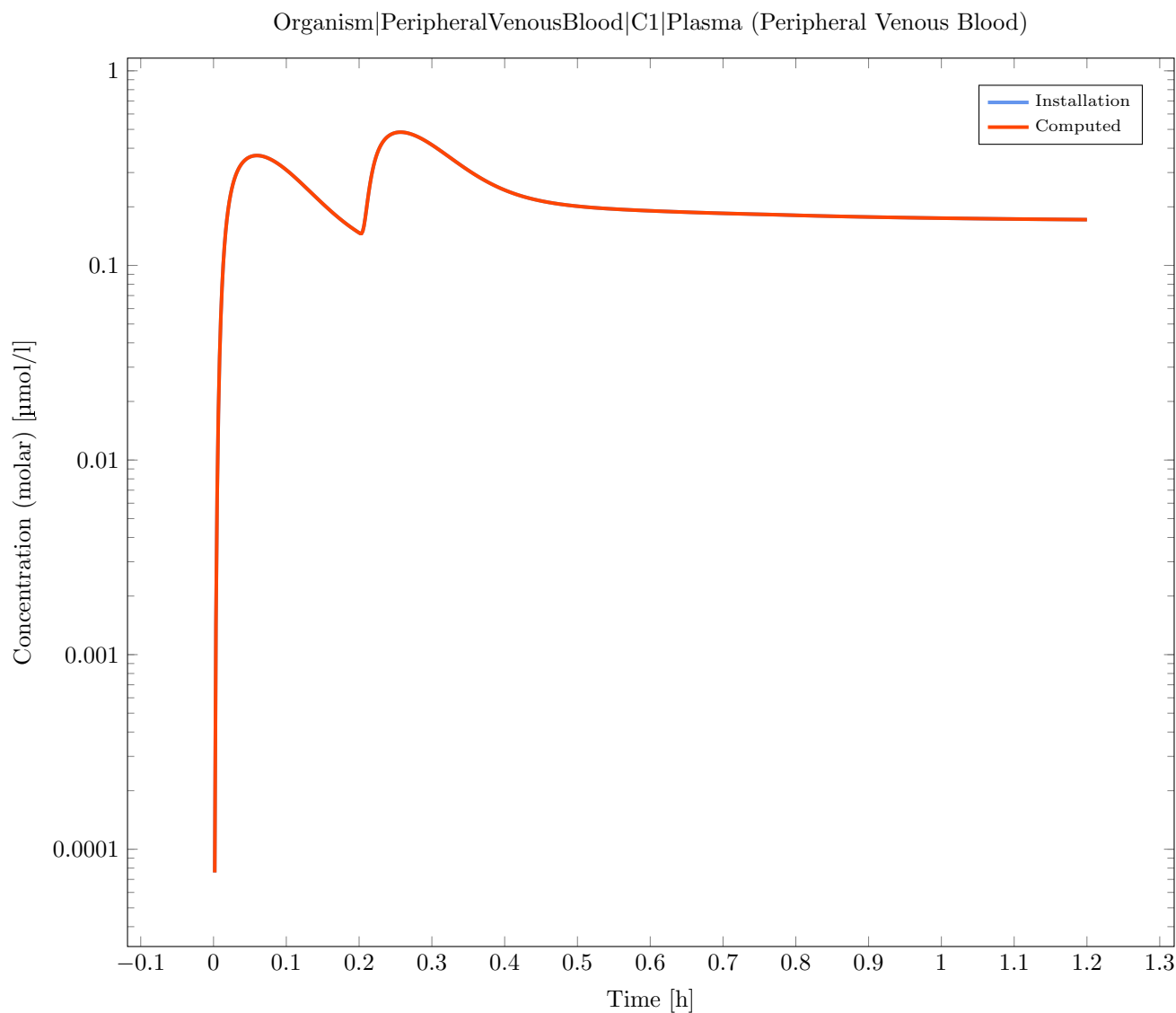


Figure 1.145

**Simulation:** Human\_SingleIV\_Configuration-Human\_SingleIV\_Configuration

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

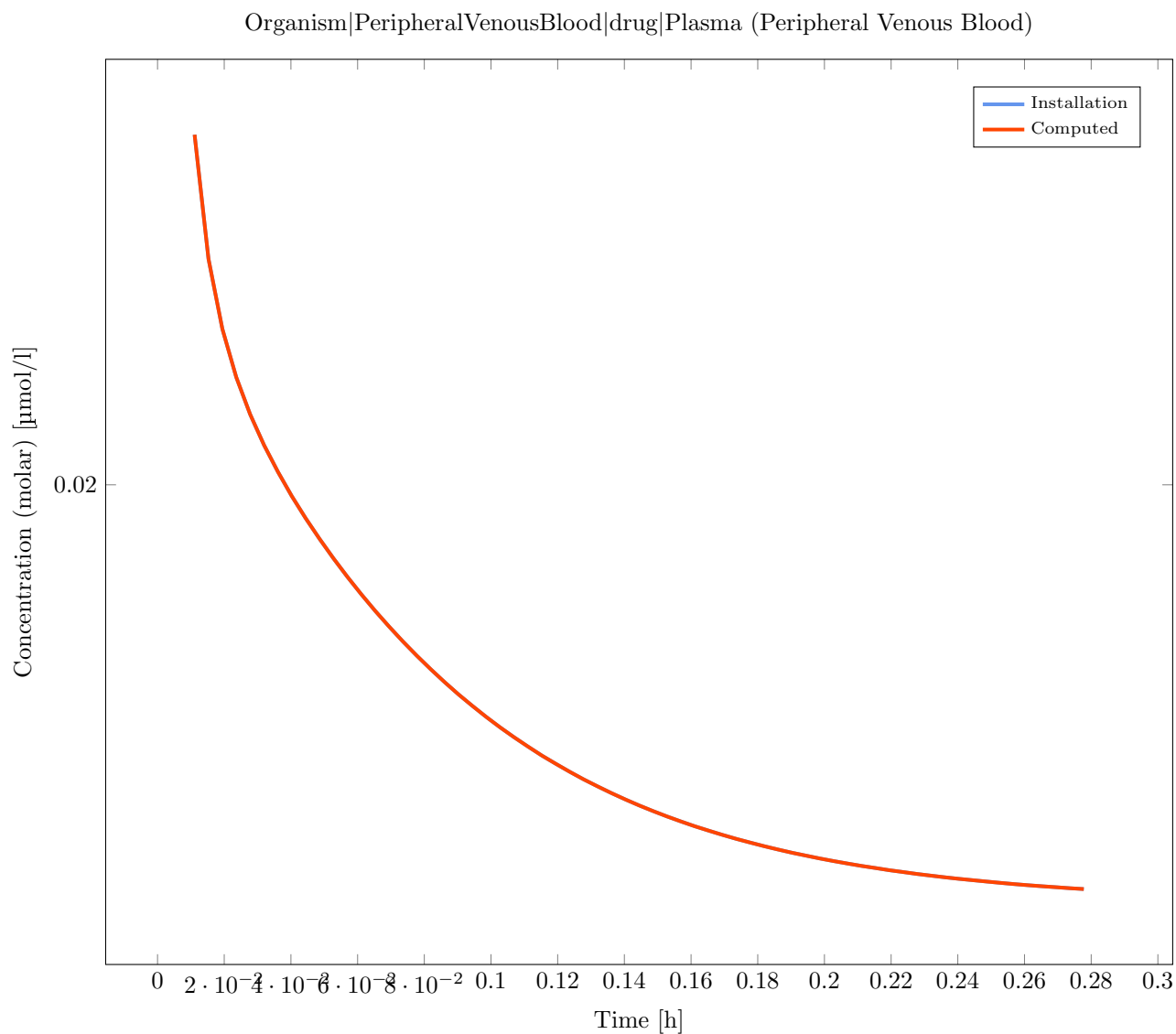


Figure 1.146

**Simulation:** Human\_SingleIV-Human\_SingleIV

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

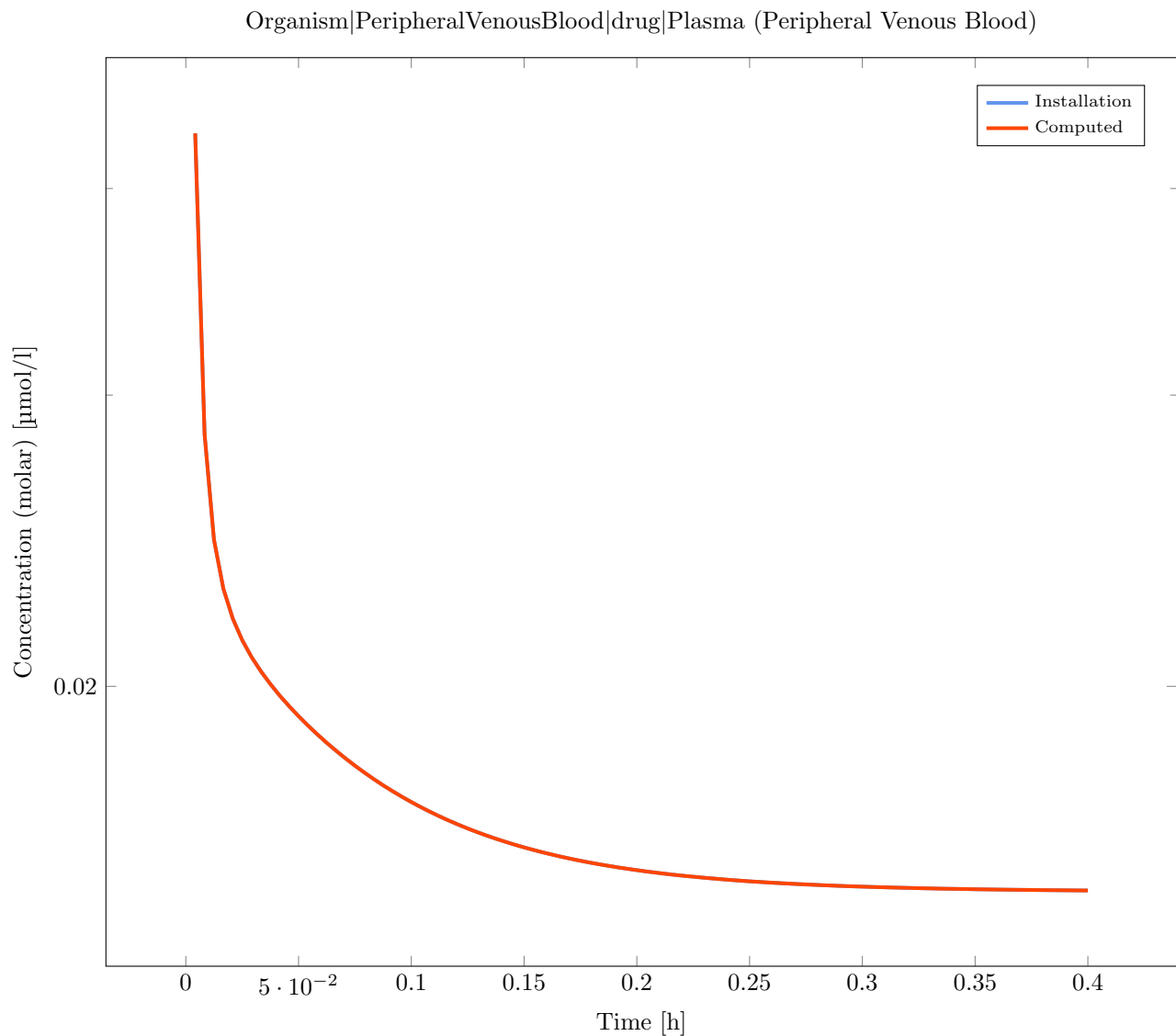


Figure 1.147

**Simulation:** Human\_SingleIV-Human\_SingleIV\_MW\_200\_fu\_0.2\_LogP\_5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

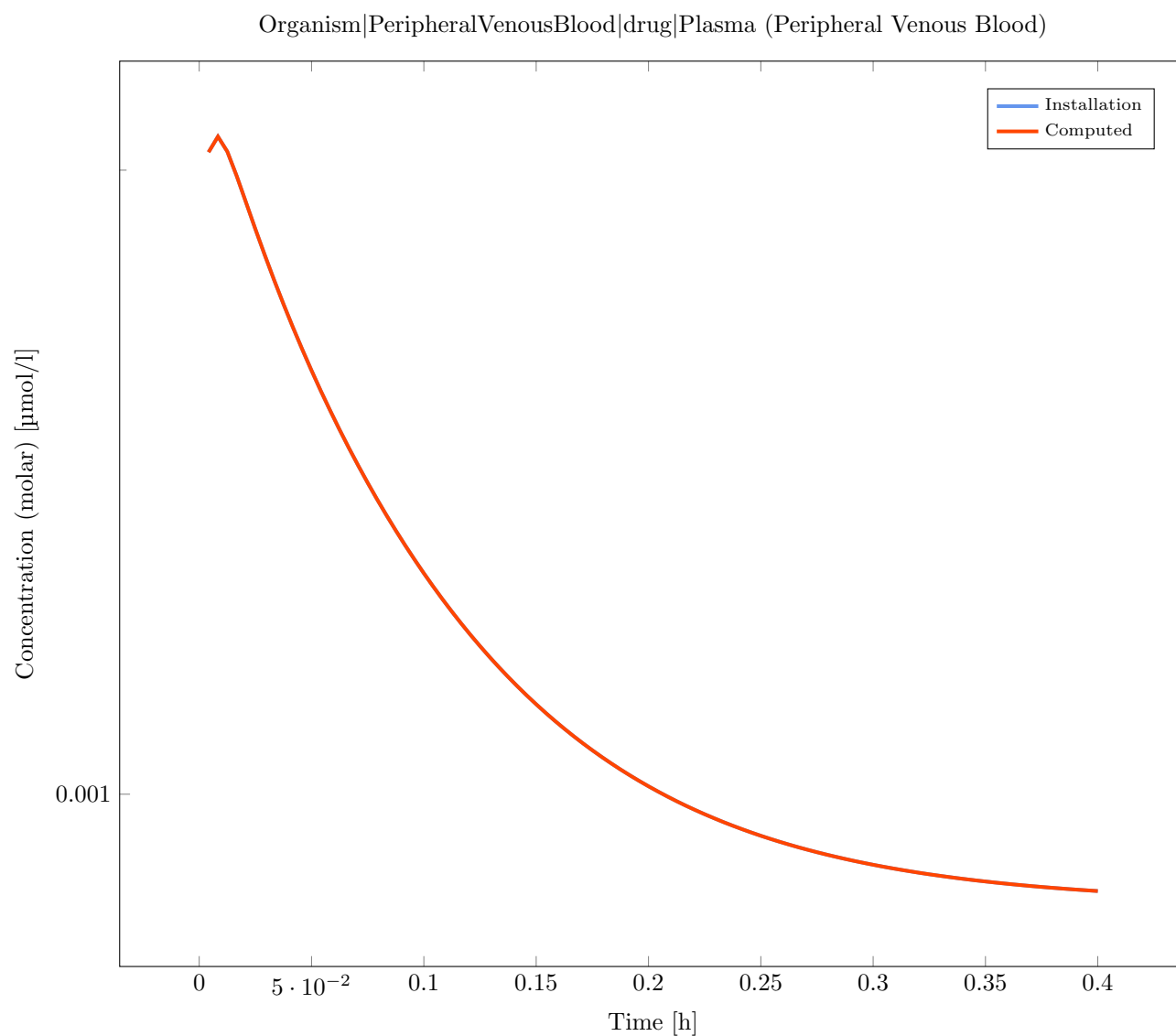


Figure 1.148

**Simulation:** Human\_SingleIV-Human\_SingleIV\_MW\_800\_fu\_0.6\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0



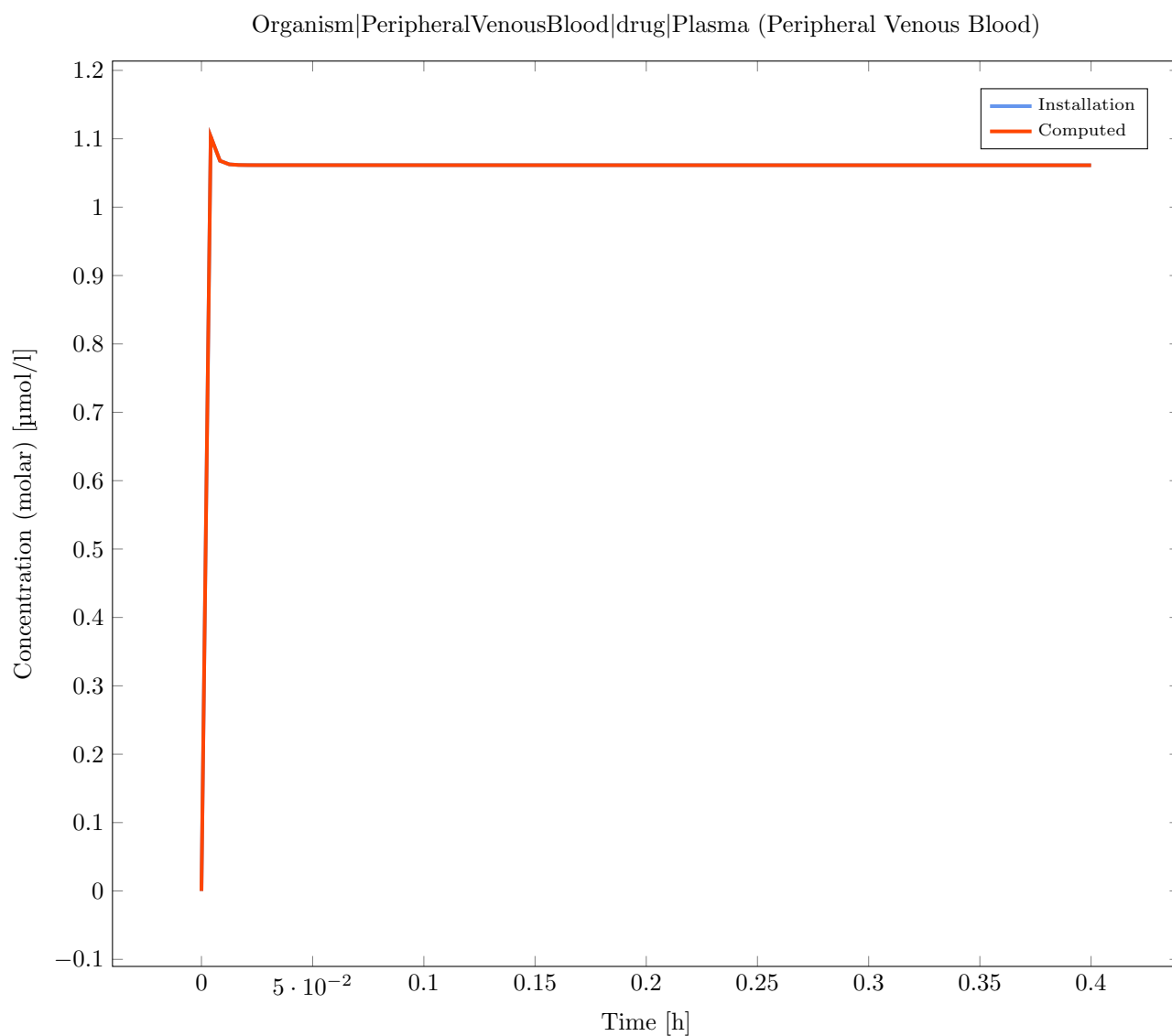


Figure 1.149

**Simulation:** Human\_SingleORAL\_Dissolved\_PlasmaClearance-Human\_SingleORAL\_Dissolved\_PlasmaClearance

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

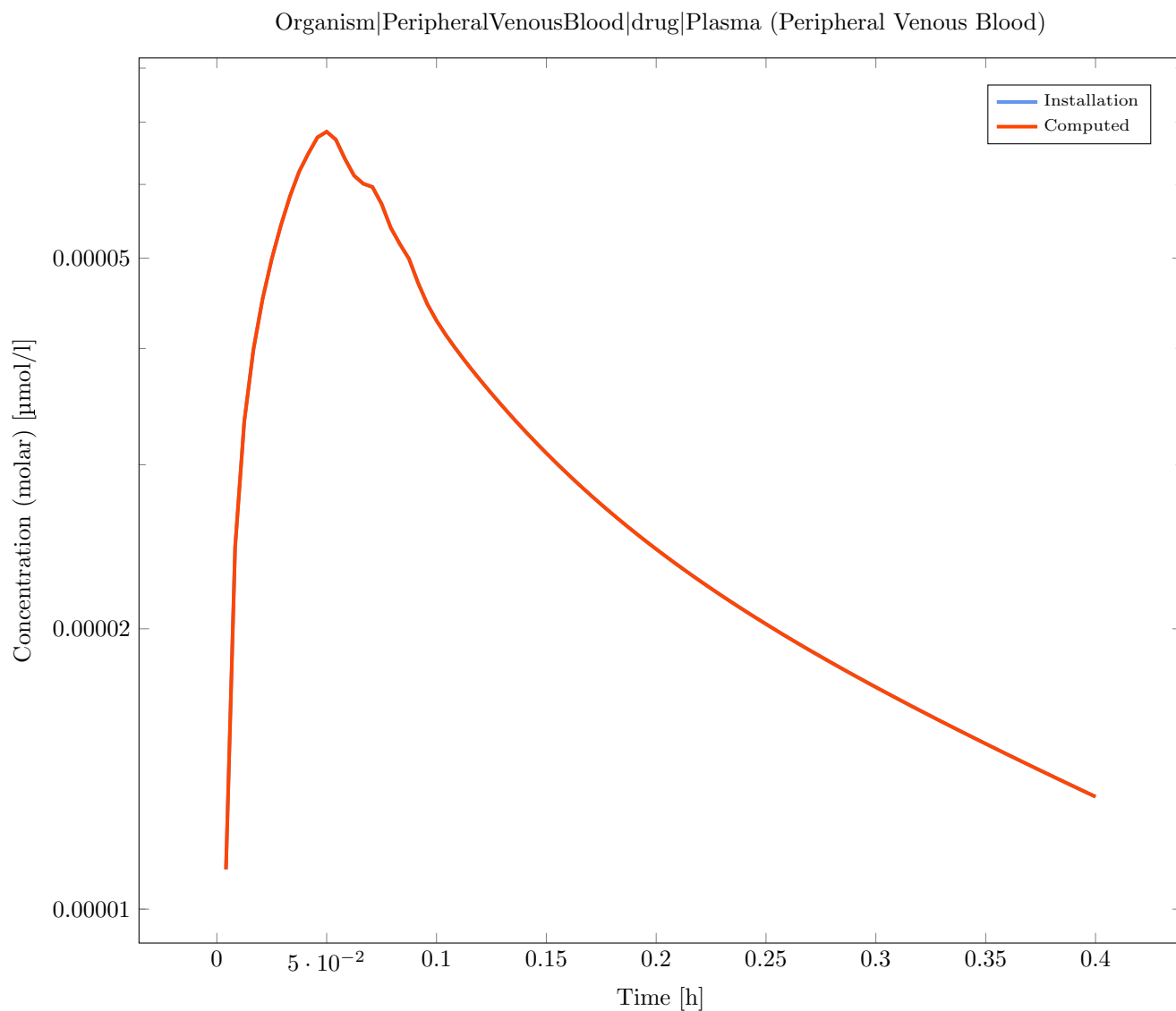


Figure 1.150

**Simulation:** Human\_SingleORAL\_Dissolved\_PlasmaClearance-Human\_SingleORAL\_Dissolved\_PlasmaClearance  
MW\_200\_fu\_0.2\_LogP\_5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

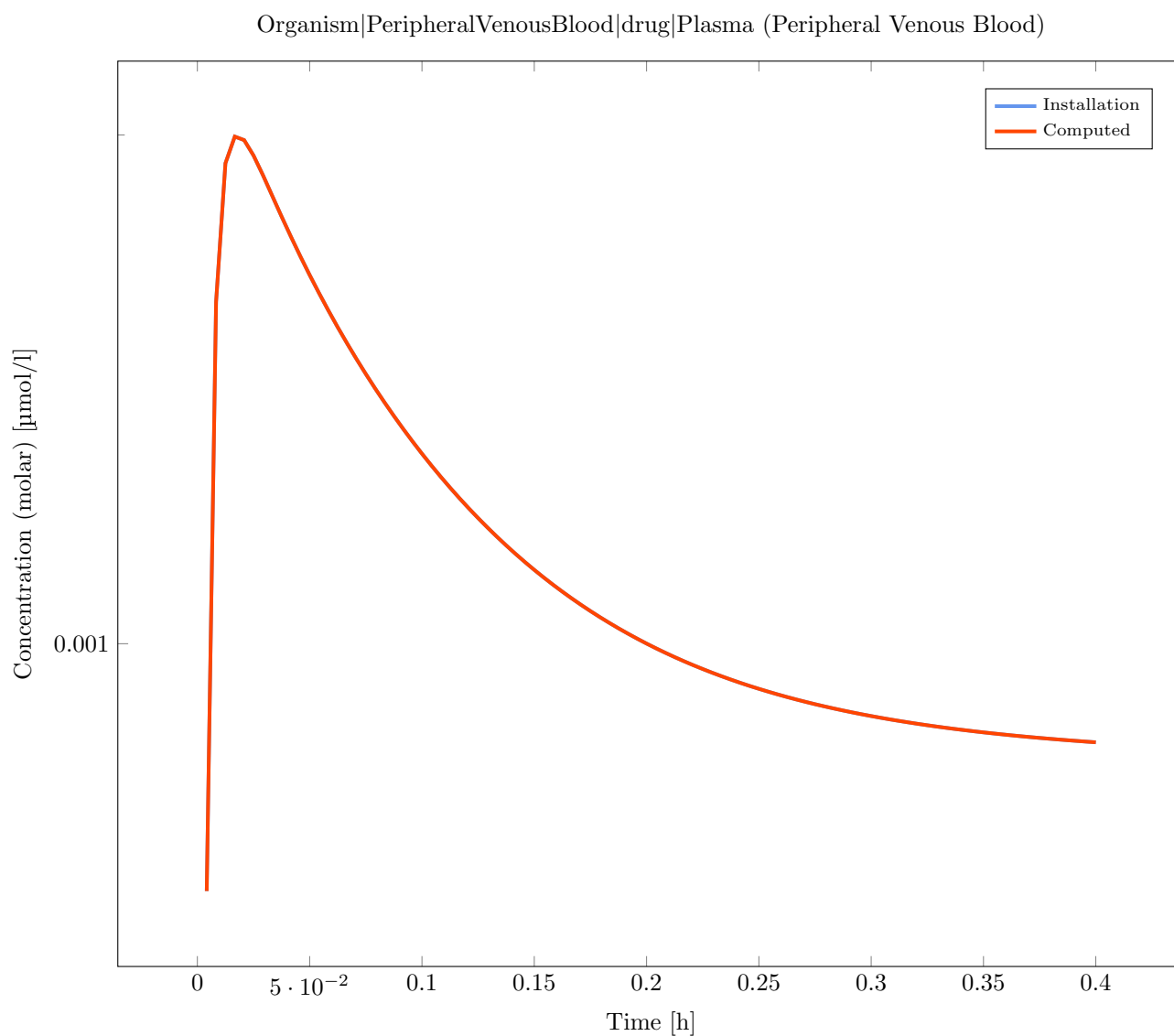


Figure 1.151

**Simulation:** Human\_SingleORAL\_Dissolved\_PlasmaClearance-Human\_SingleORAL\_Dissolved\_PlasmaClearance  
MW\_800\_fu\_0.6\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

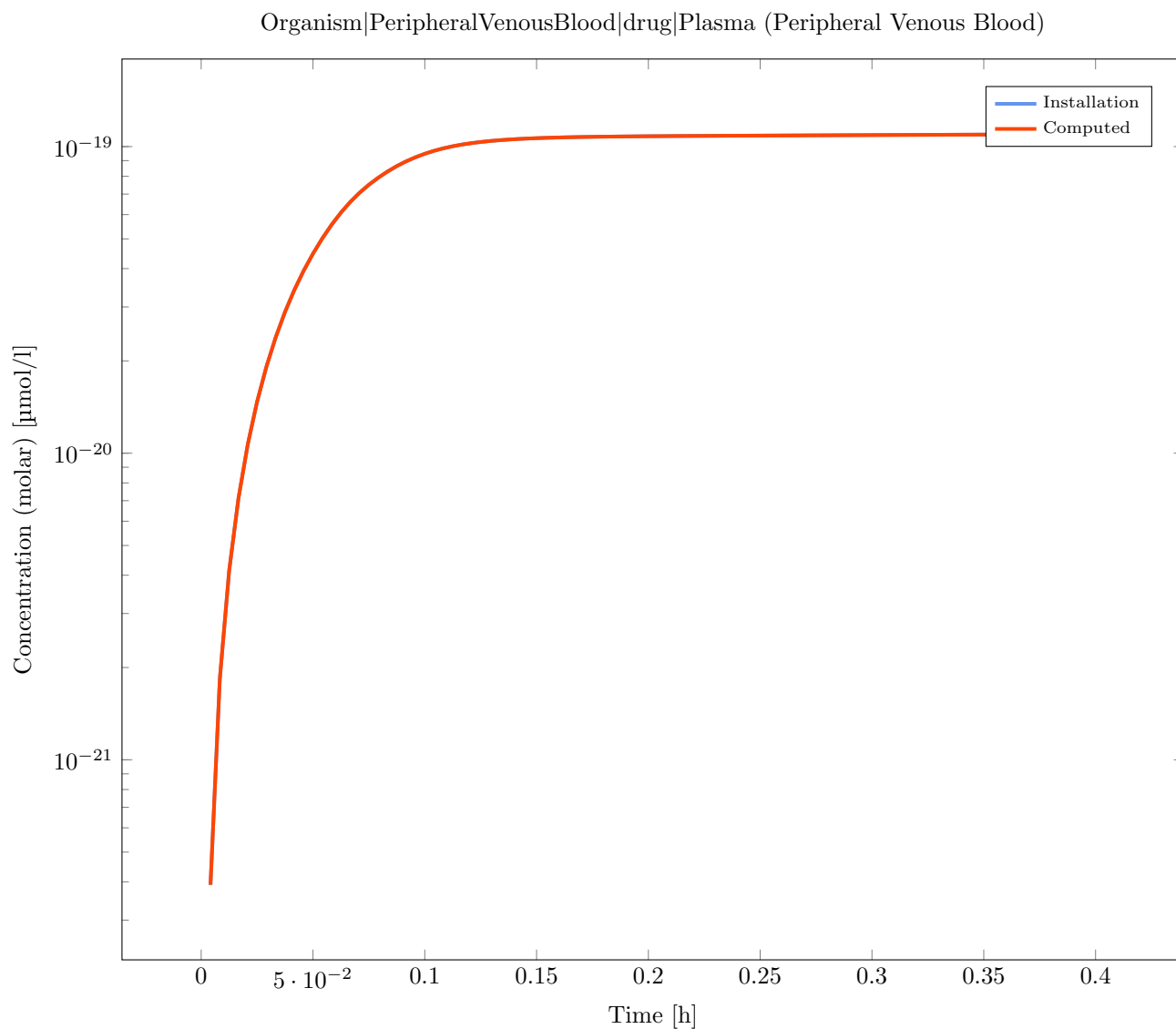


Figure 1.152

**Simulation:** Human\_SingleORAL\_Dissolved-Human\_SingleORAL\_Dissolved

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 1.17E-6

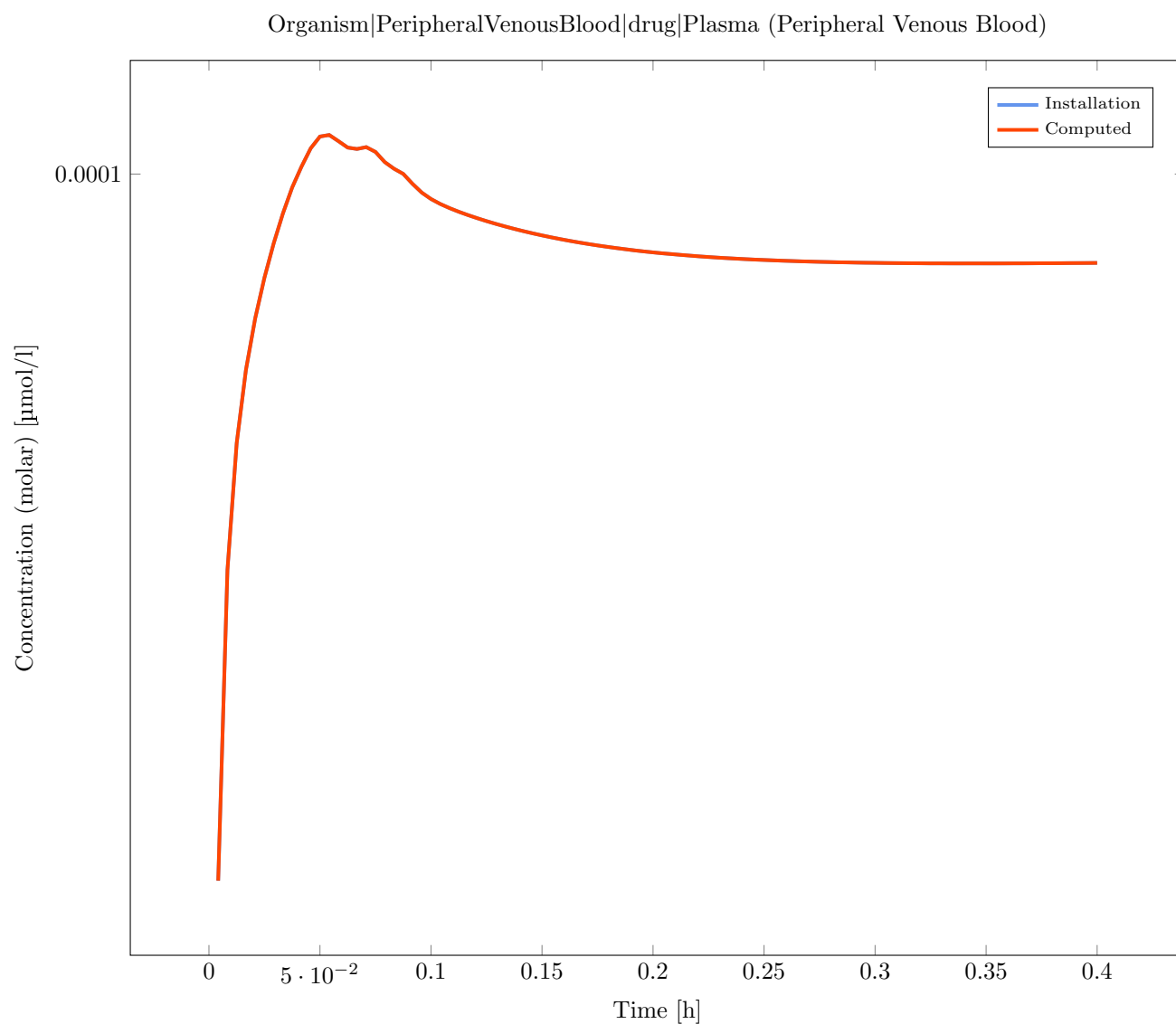


Figure 1.153

**Simulation:** Human\_SingleORAL\_Dissolved-Human\_SingleORAL\_Dissolved\_MW\_200\_fu\_0.2\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

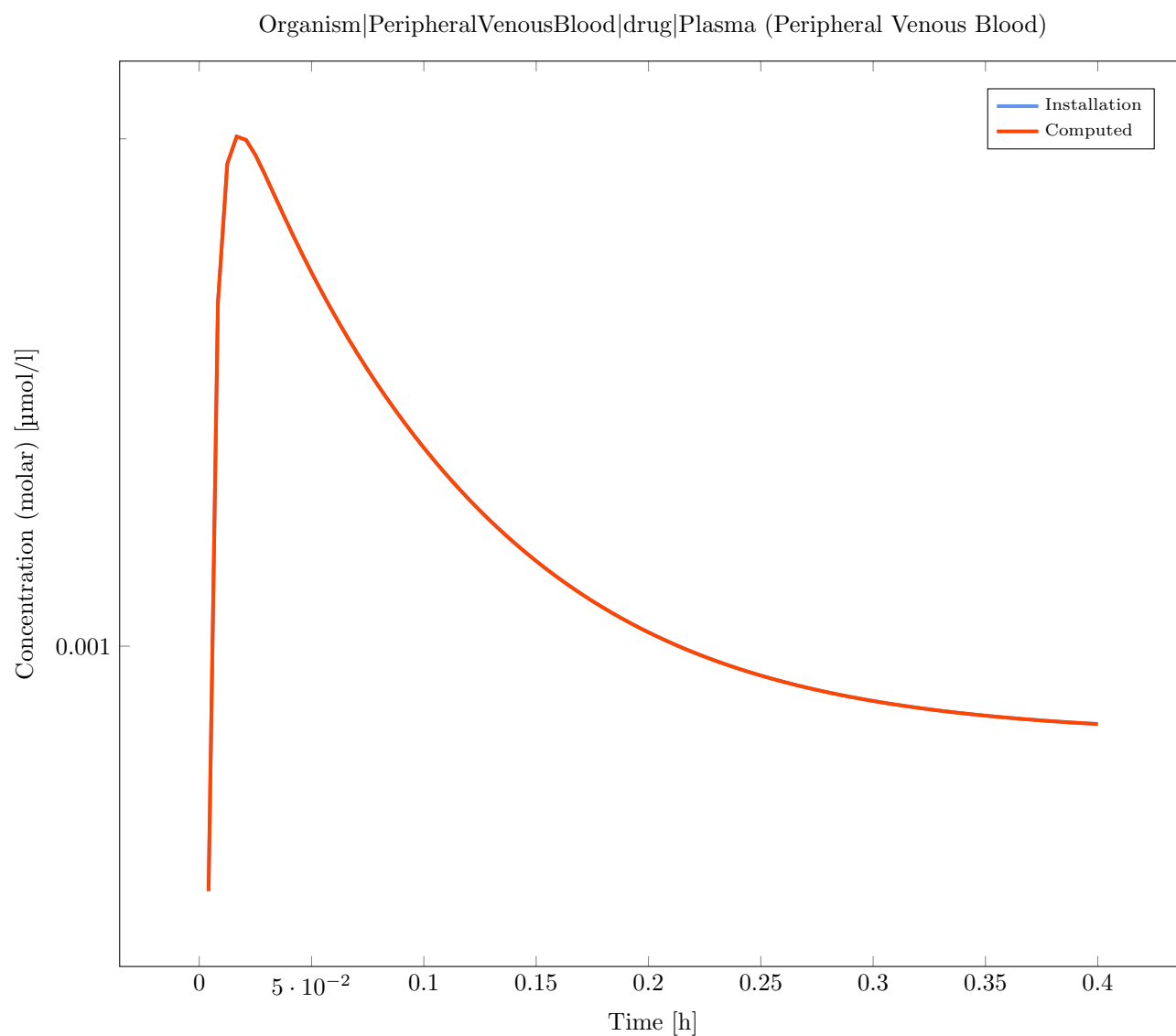


Figure 1.154

**Simulation:** Human\_SingleORAL\_Dissolved-Human\_SingleORAL\_Dissolved\_MW\_800\_fu\_0.6\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

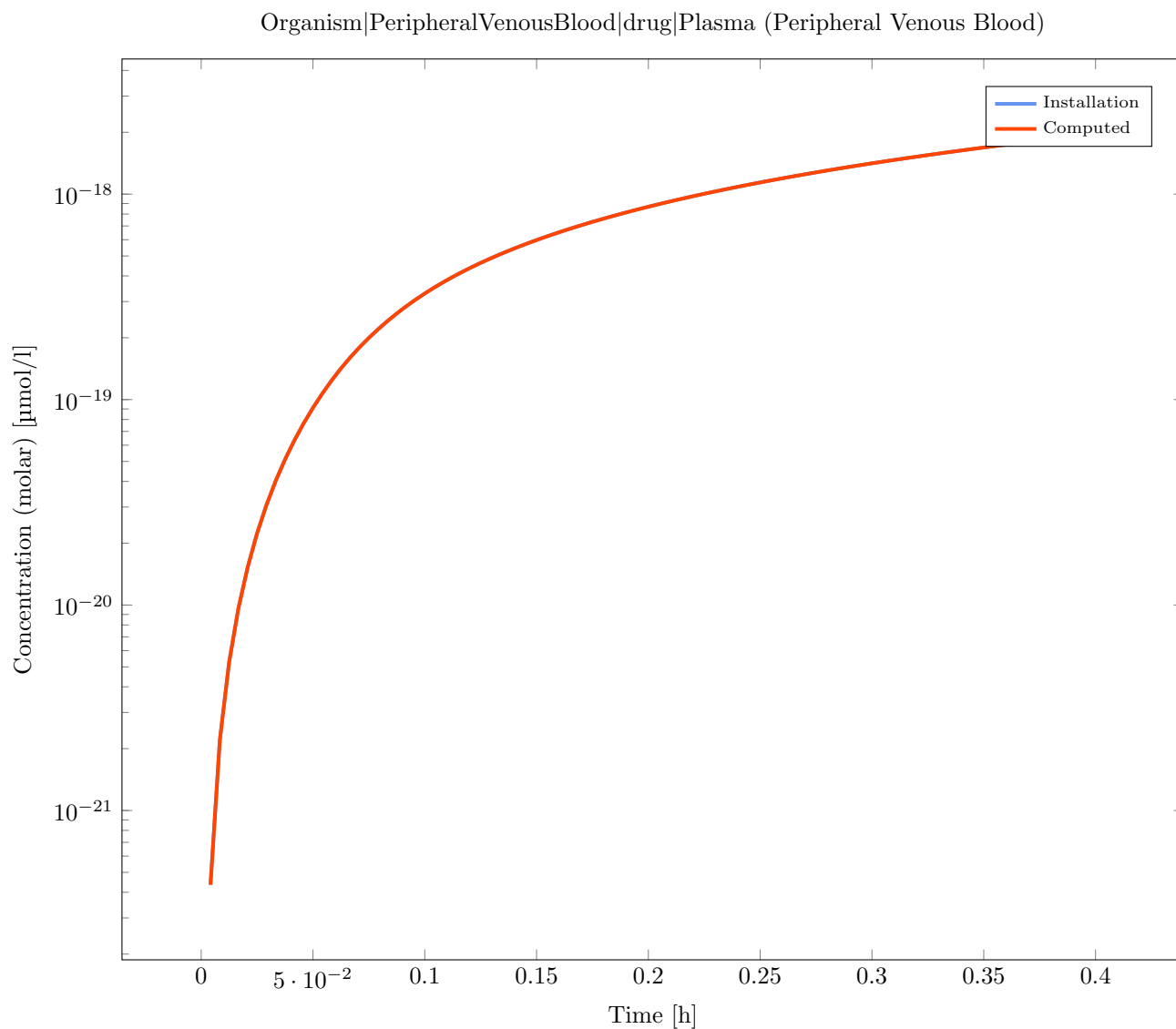


Figure 1.155

**Simulation:** Human\_SingleORAL\_Lint80\_AsSuspention-Human\_SingleORAL\_Lint80\_AsSuspention

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

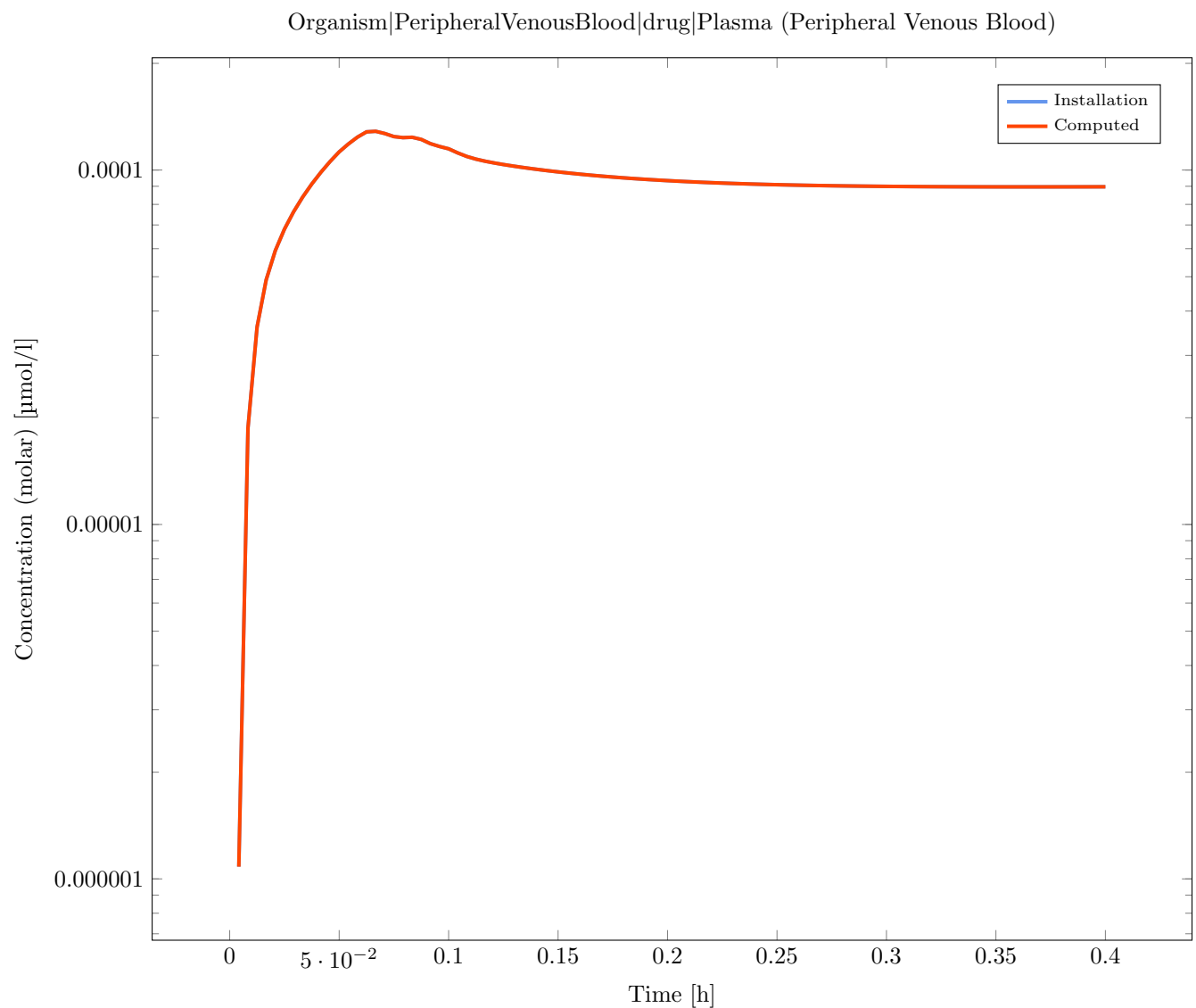


Figure 1.156

**Simulation:** Human\_SingleORAL\_Lint80-Human\_SingleORAL\_Lint80

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0



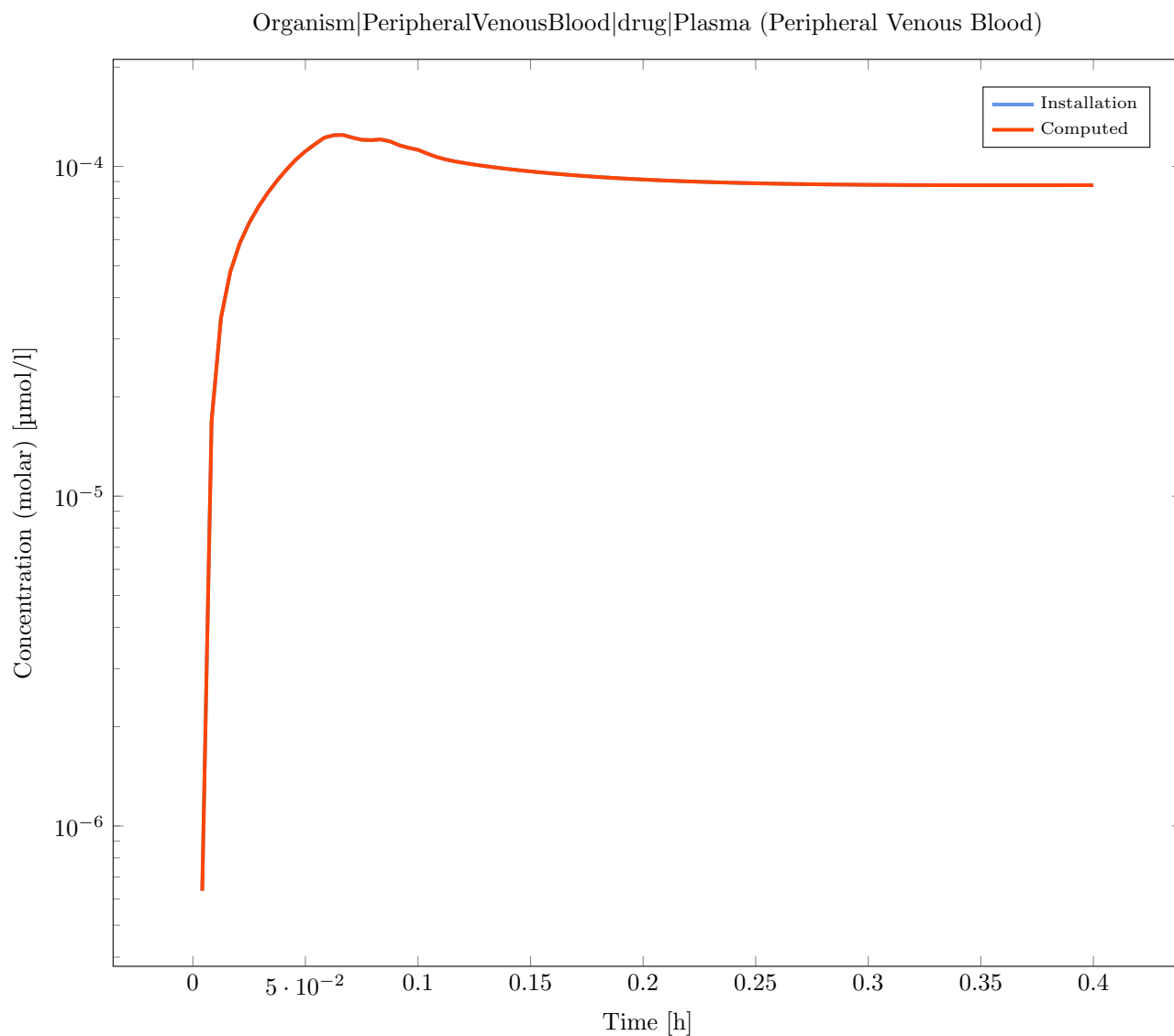


Figure 1.157

**Simulation:** Human\_SingleORAL\_MonoParticles\_AsSuspention-Human\_SingleORAL\_MonoParticles\_-AsSuspention

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

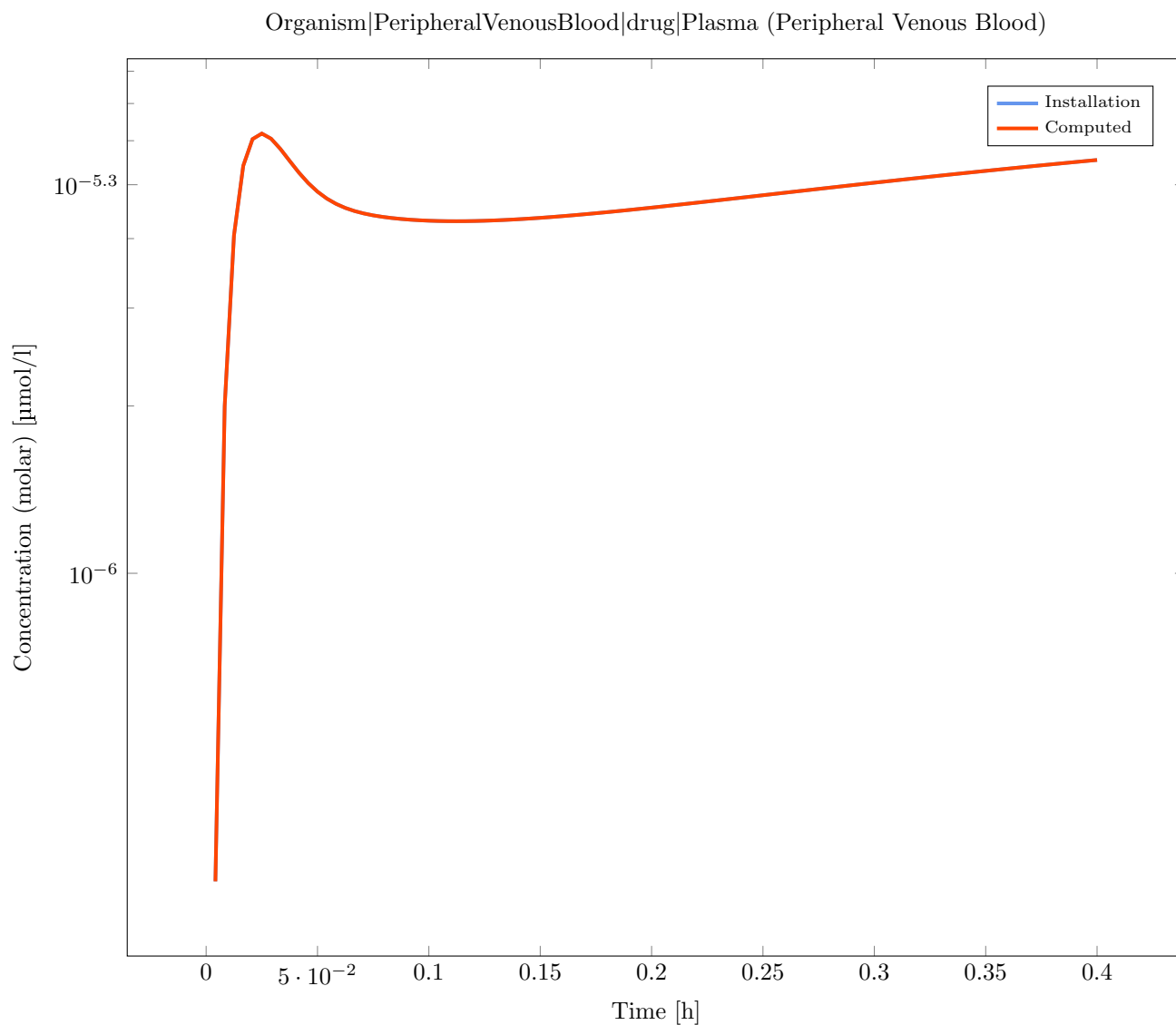


Figure 1.158

**Simulation:** Human\_SingleORAL\_PolyParticlesLogNormal\_AsSuspention-Human\_SingleORAL\_PolyParticlesLogNormal\_AsSuspention

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 8.76E-8

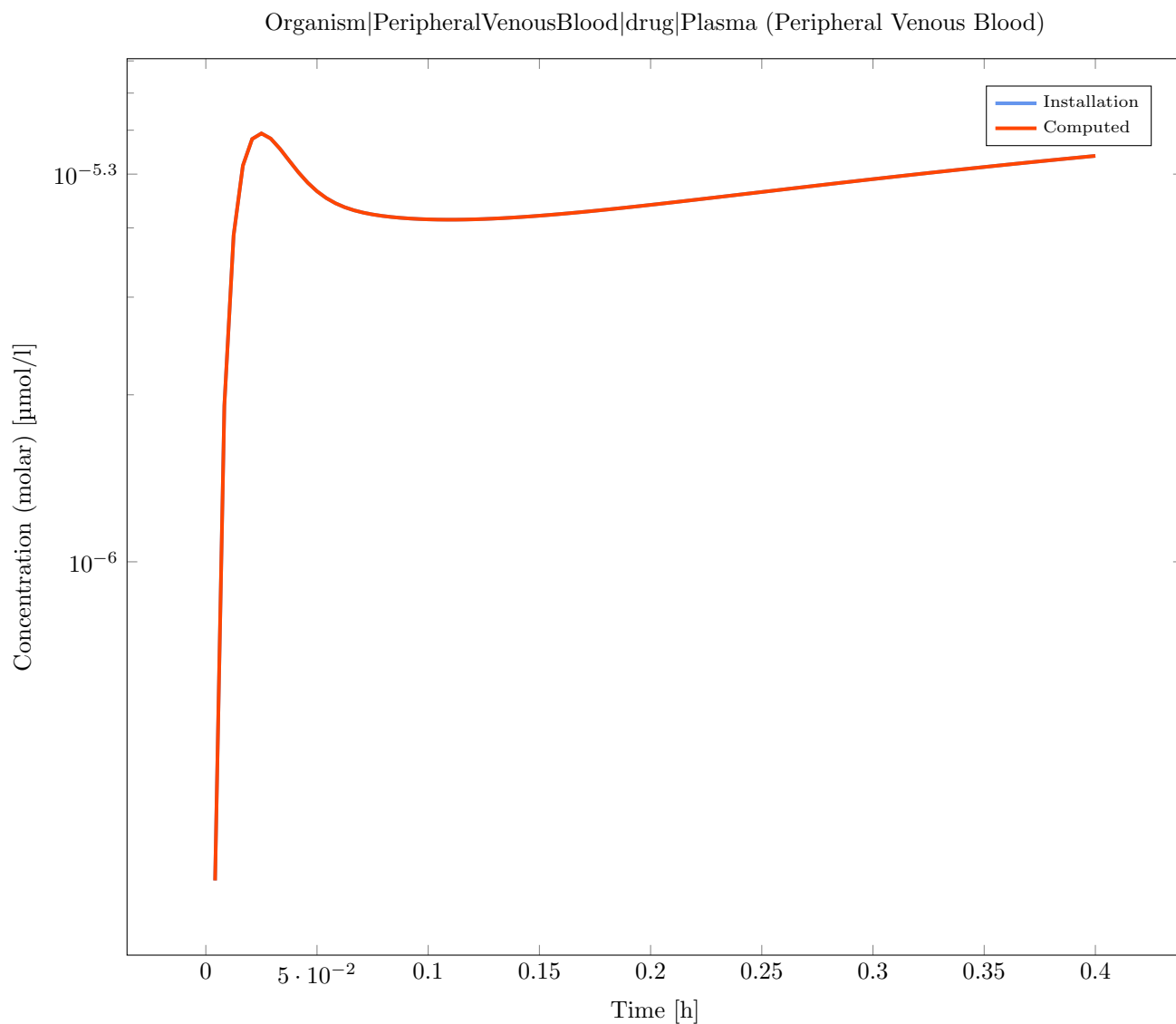


Figure 1.159

**Simulation:** Human\_SingleORAL\_PolyParticlesNormal\_AsSuspention-Human\_SingleORAL\_PolyParticlesNormal\_AsSuspention

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

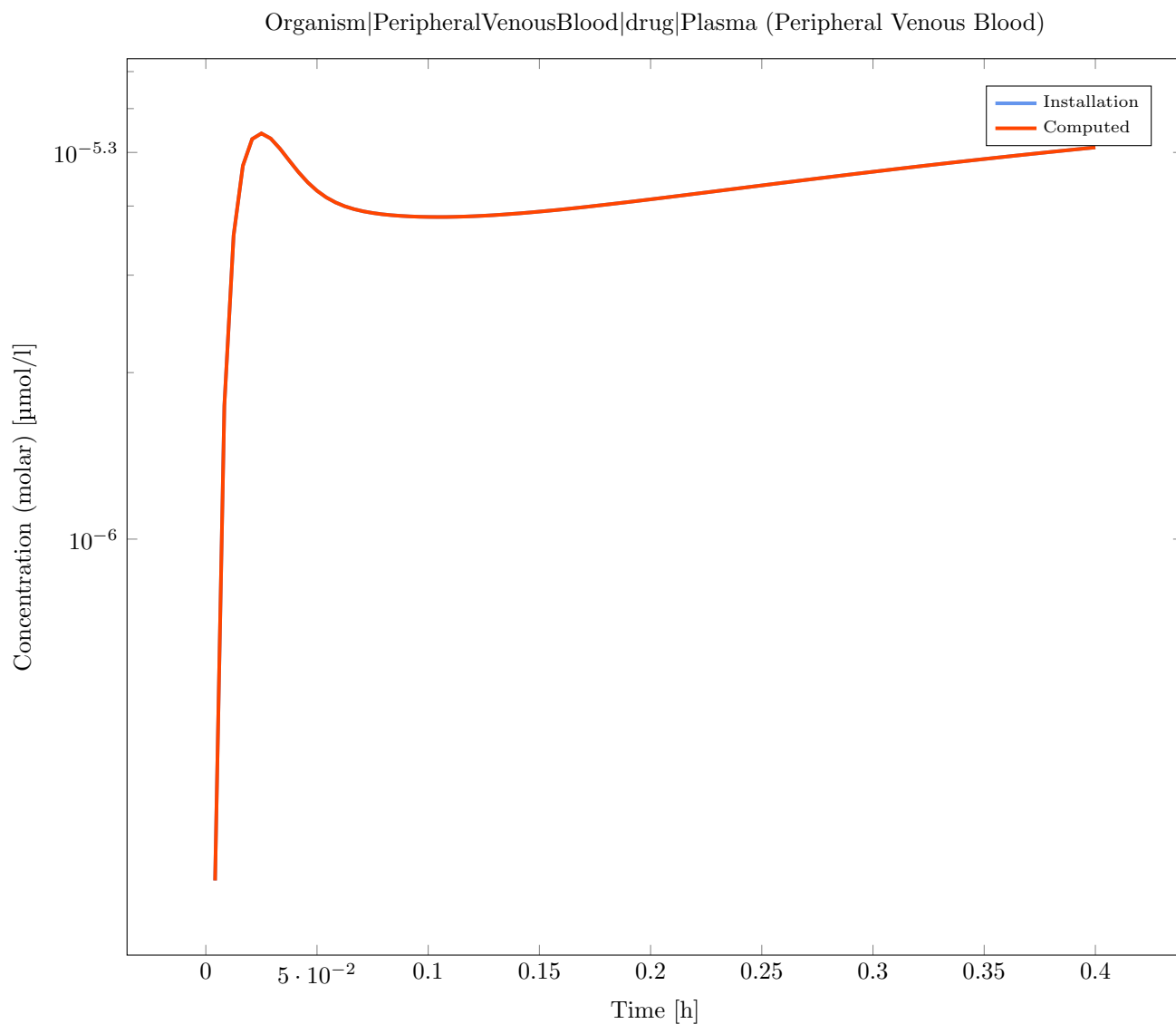


Figure 1.160

**Simulation:** Human\_SingleORAL\_PolyParticlesNormal\_AsSuspention-Human\_SingleORAL\_PolyParticlesNormal\_AsSuspention\_dissolved\_radius

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

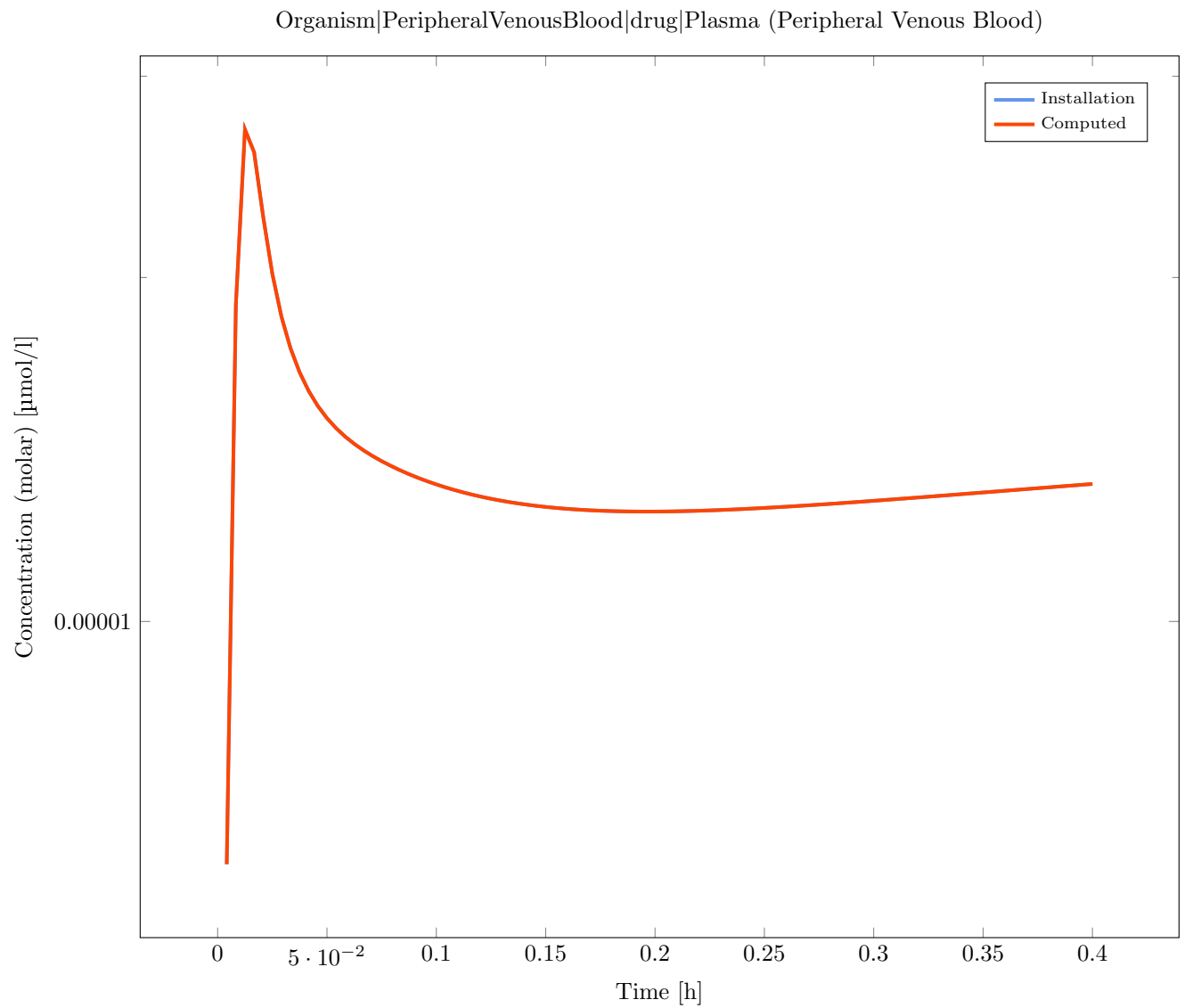


Figure 1.161

**Simulation:** Human\_SingleORAL\_PolyParticlesNormal\_AsSuspention-Human\_SingleORAL\_PolyParticlesNormal\_AsSuspention\_treat\_precipated\_drug\_as\_soluble

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

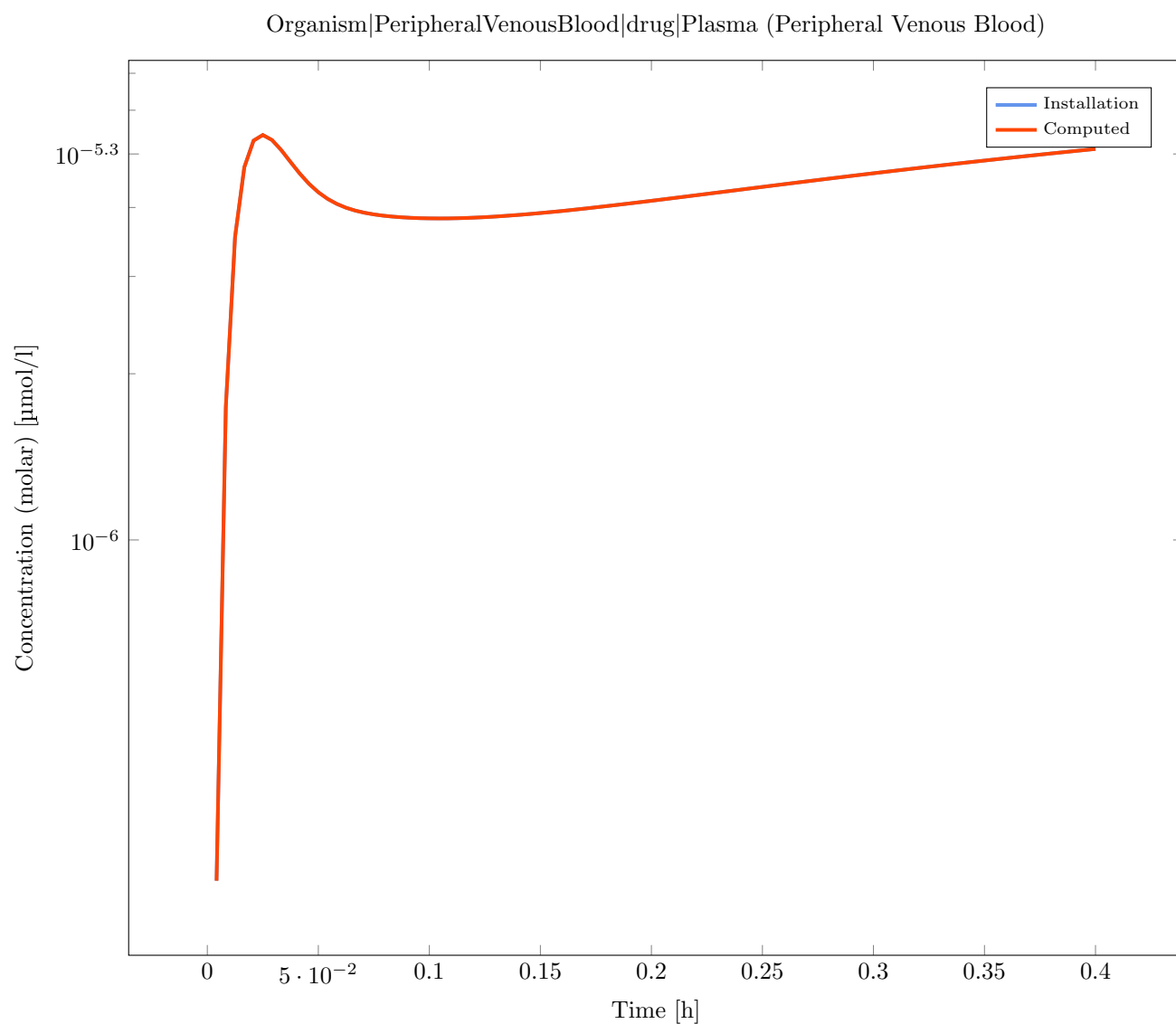


Figure 1.162

**Simulation:** Human\_SingleORAL\_Weibull\_AsSuspention-Human\_SingleORAL\_Weibull\_AsSuspention

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 8.81E-7

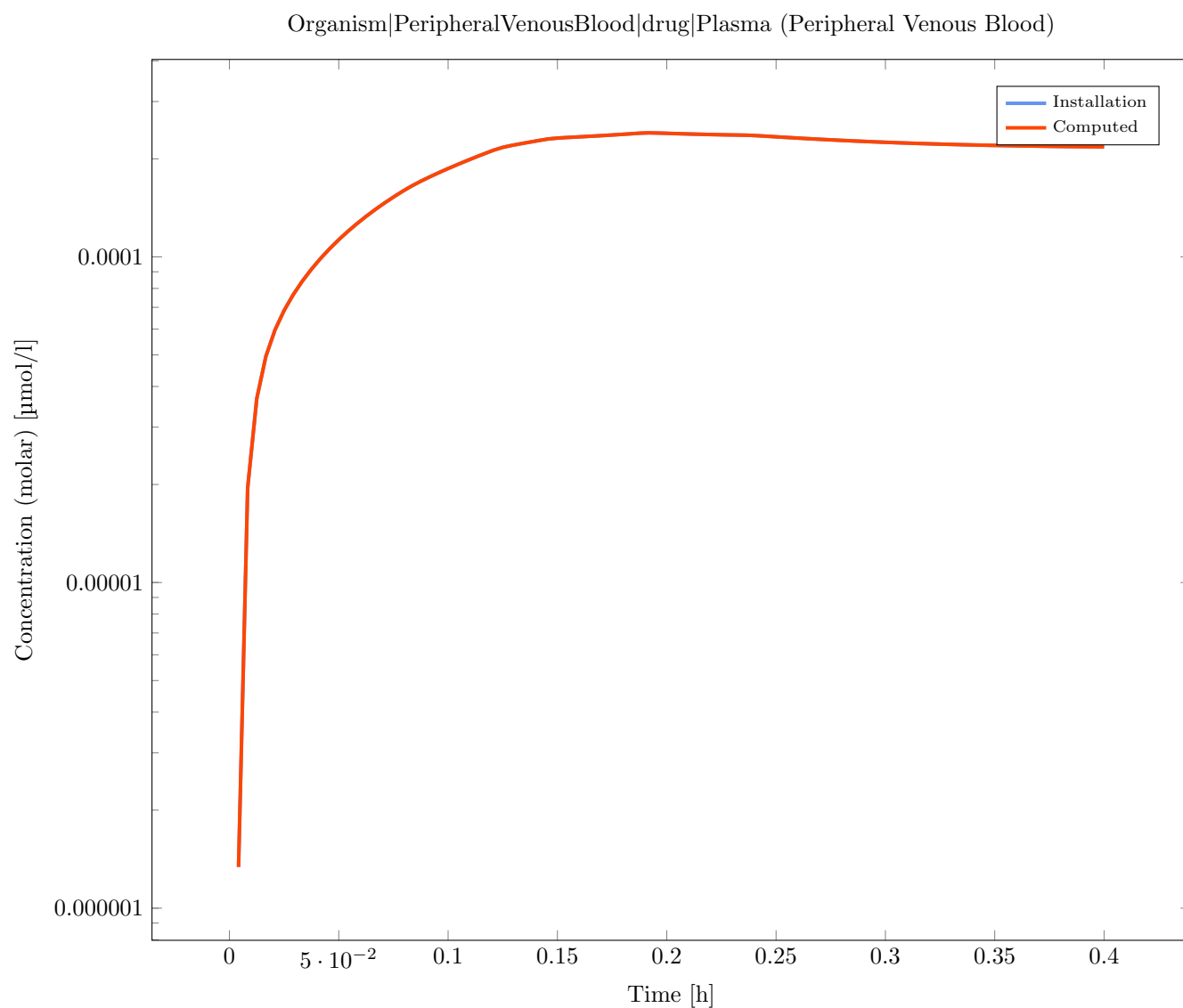


Figure 1.163

**Simulation:** Human\_SingleORAL\_Weibull\_AsSuspention-Human\_SingleORAL\_Weibull\_AsSuspention.-MW\_200\_fu\_0.2\_LogP\_5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 7.51E-7

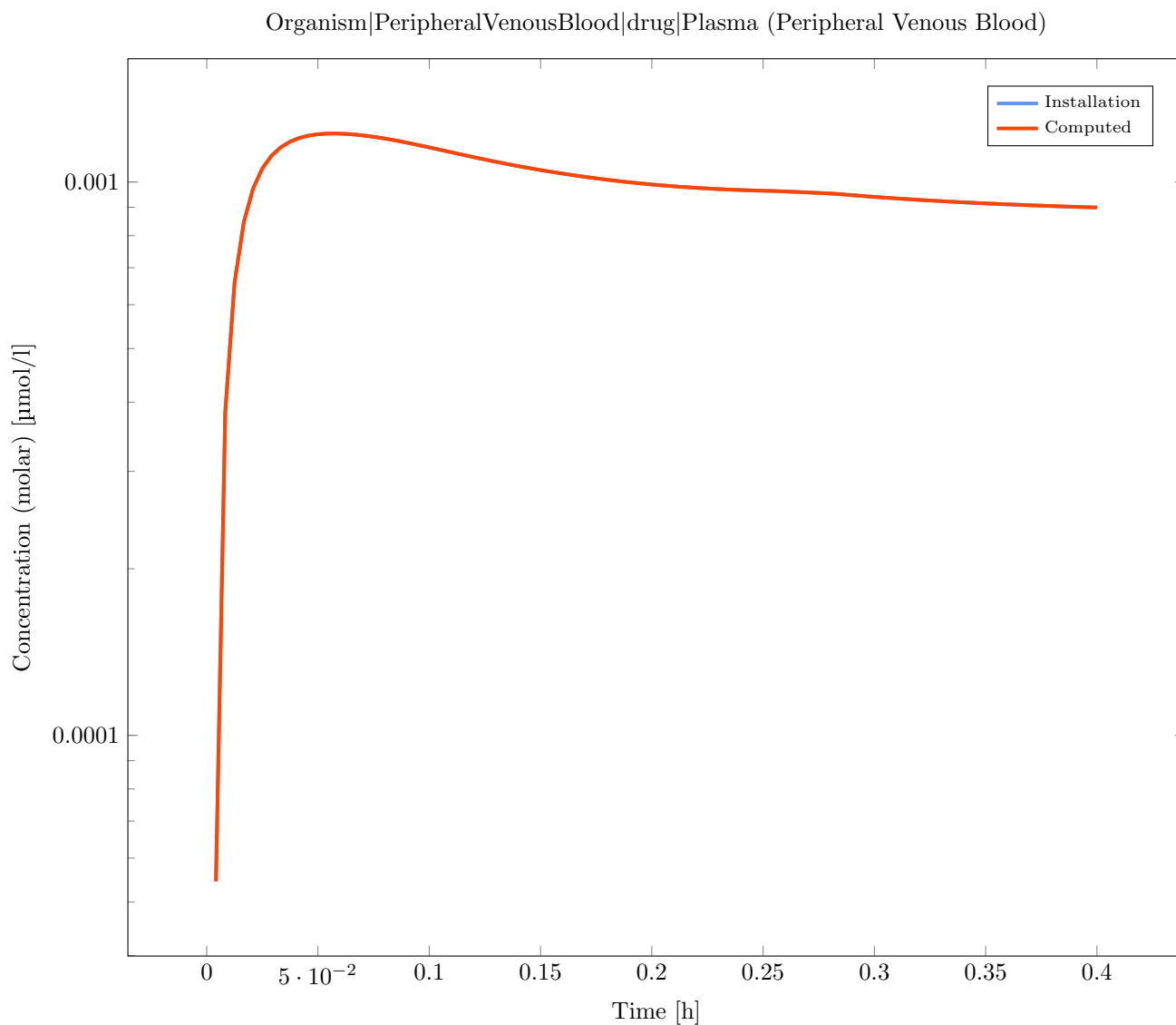


Figure 1.164

**Simulation:** Human\_SingleORAL\_Weibull\_AsSuspention-Human\_SingleORAL\_Weibull\_AsSuspention\_-MW\_800\_fu\_0.6\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0



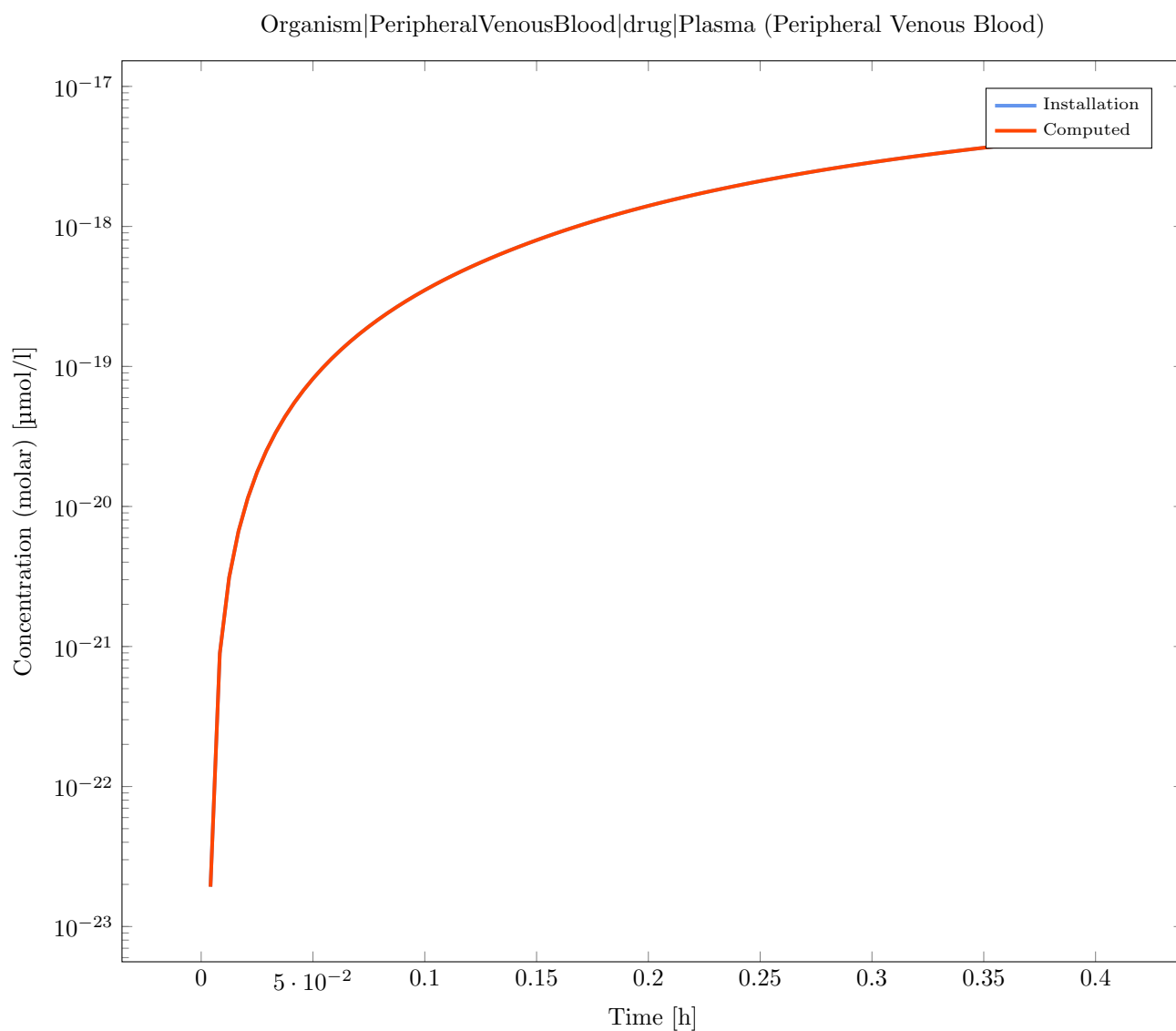


Figure 1.165

**Simulation:** Human\_SingleORAL\_Weibull-Human\_SingleORAL\_Weibull

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 2.31E-4

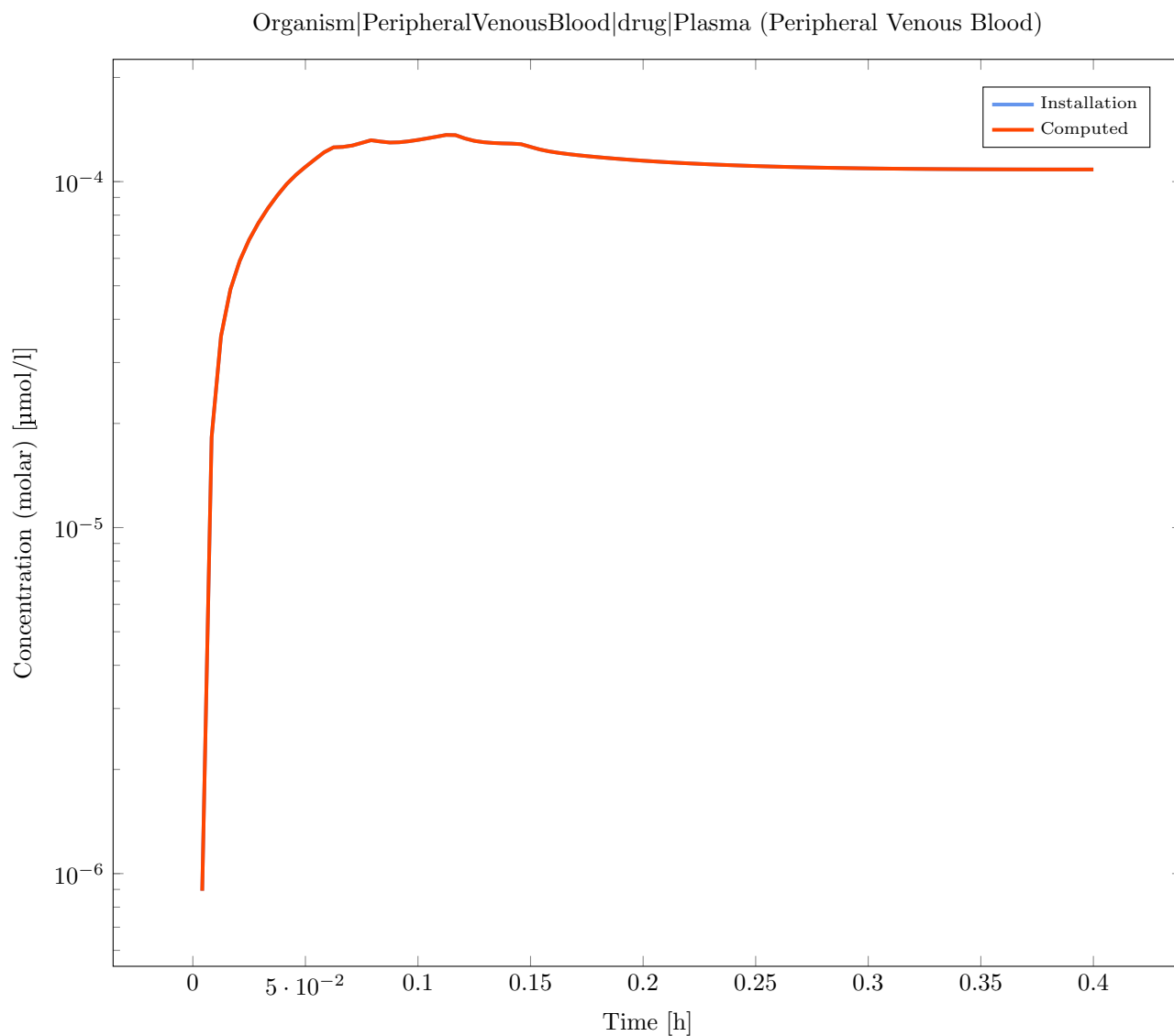


Figure 1.166

**Simulation:** Human\_SingleORAL\_Weibull-Human\_SingleORAL\_Weibull\_MW\_200\_fu\_0.2\_LogP\_5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 5.01E-6

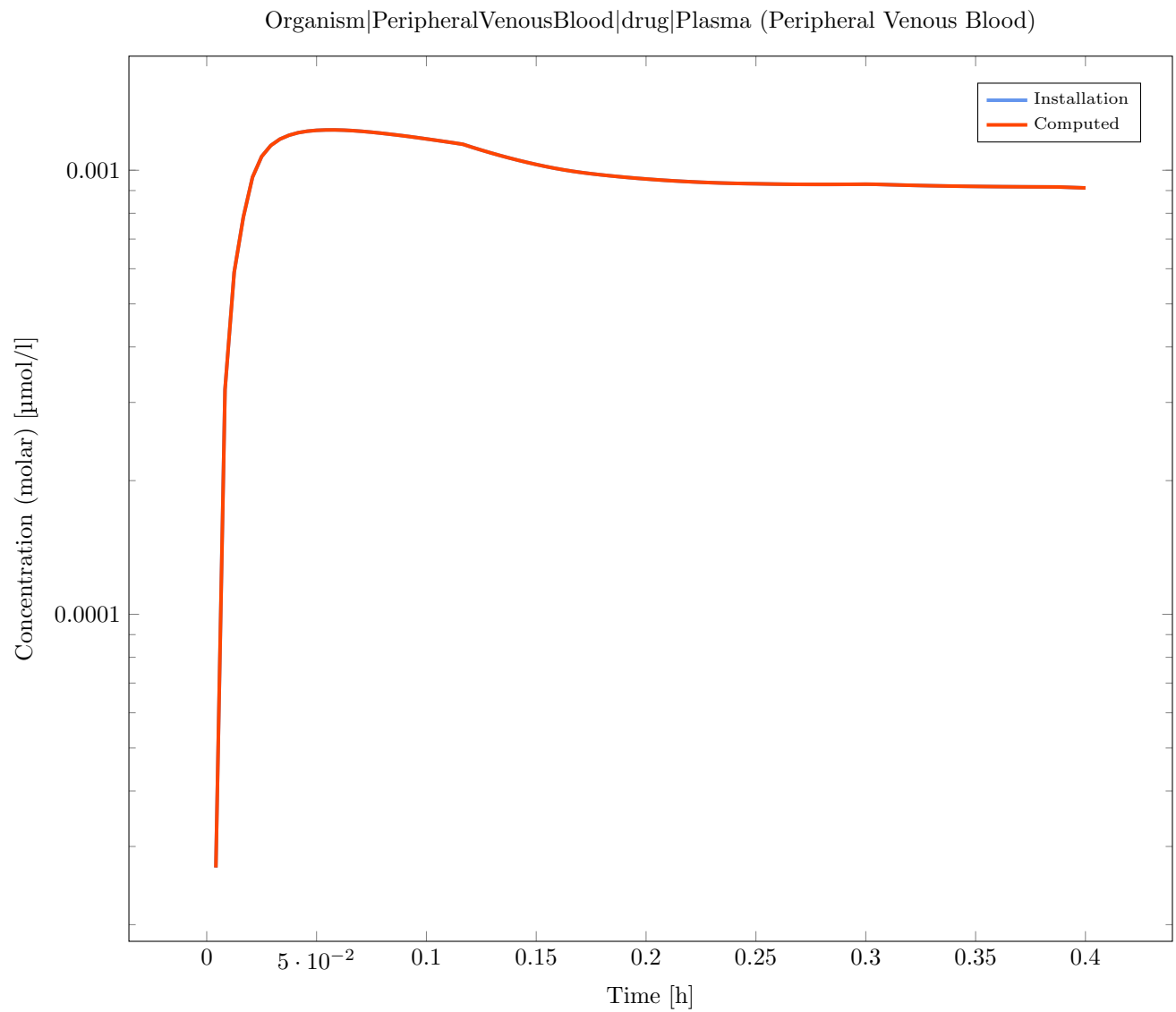


Figure 1.167

**Simulation:** Human\_SingleORAL\_Weibull-Human\_SingleORAL\_Weibull\_MW\_800\_fu\_0.6\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

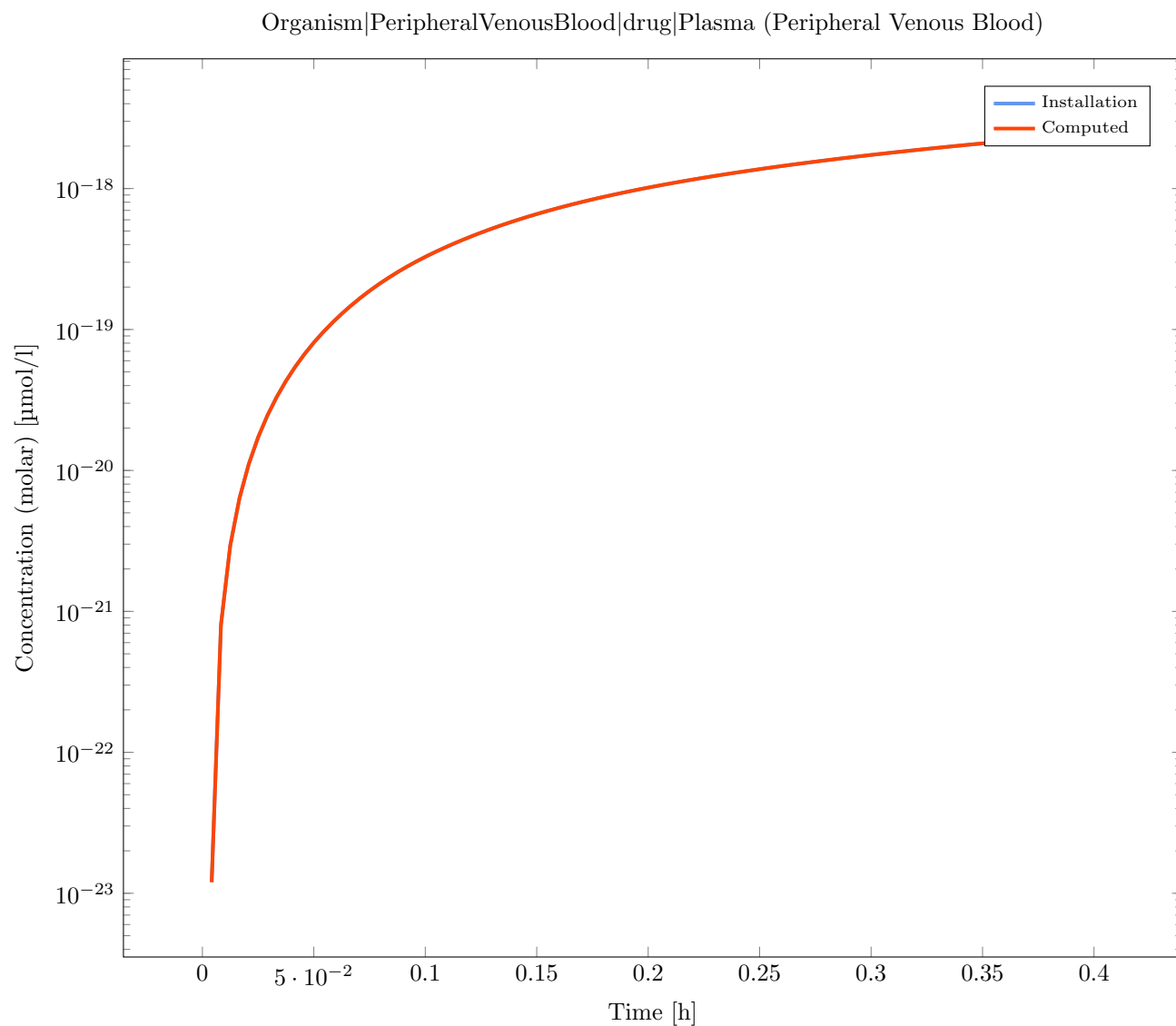


Figure 1.168

**Simulation:** Human\_UncompetitiveInhibition-Human\_UncompetitiveInhibition

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

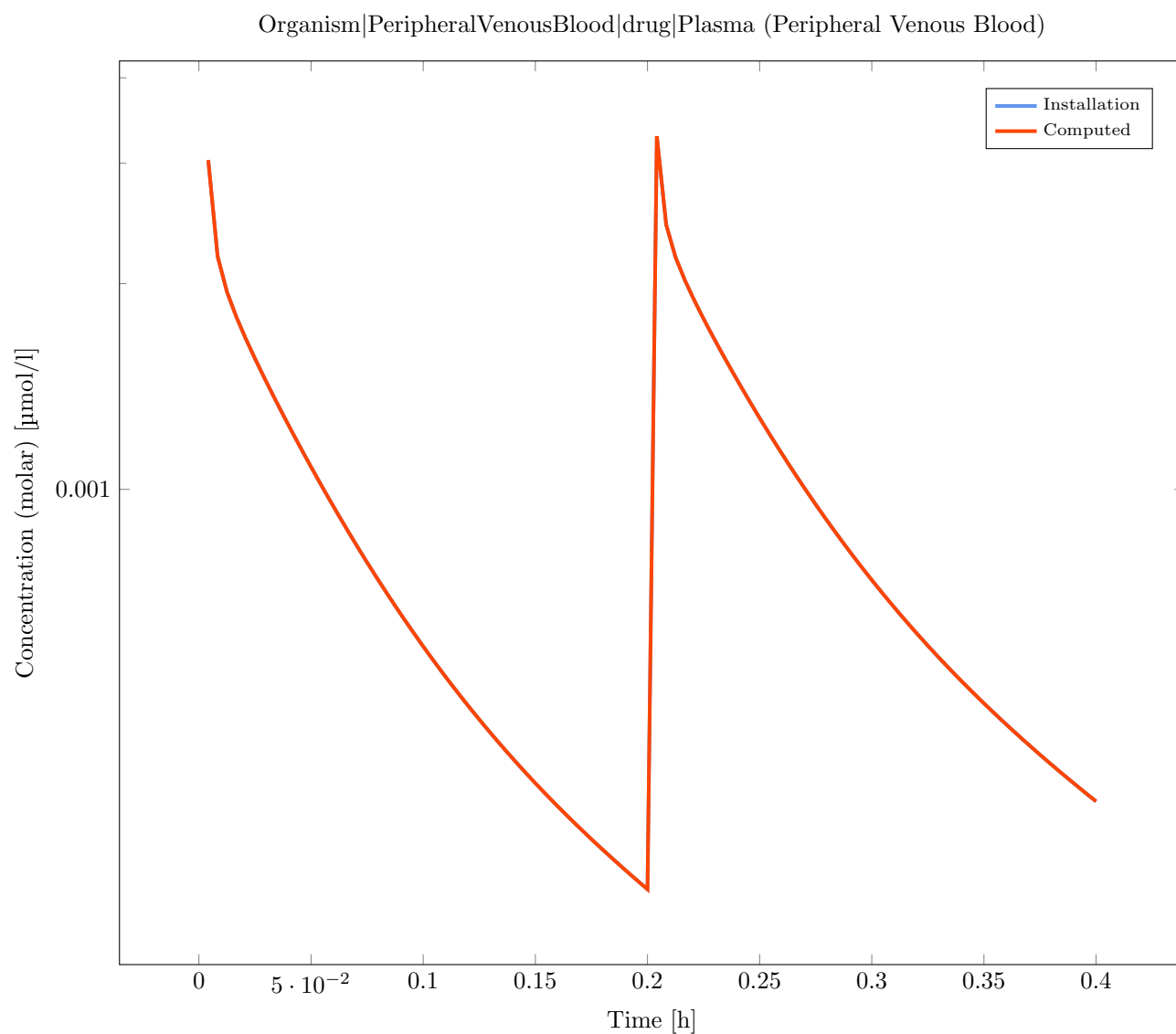


Figure 1.169

**Output Path:** Organism|PeripheralVenousBlood|inhibitor|Plasma (Peripheral Venous Blood)

Deviation: 0

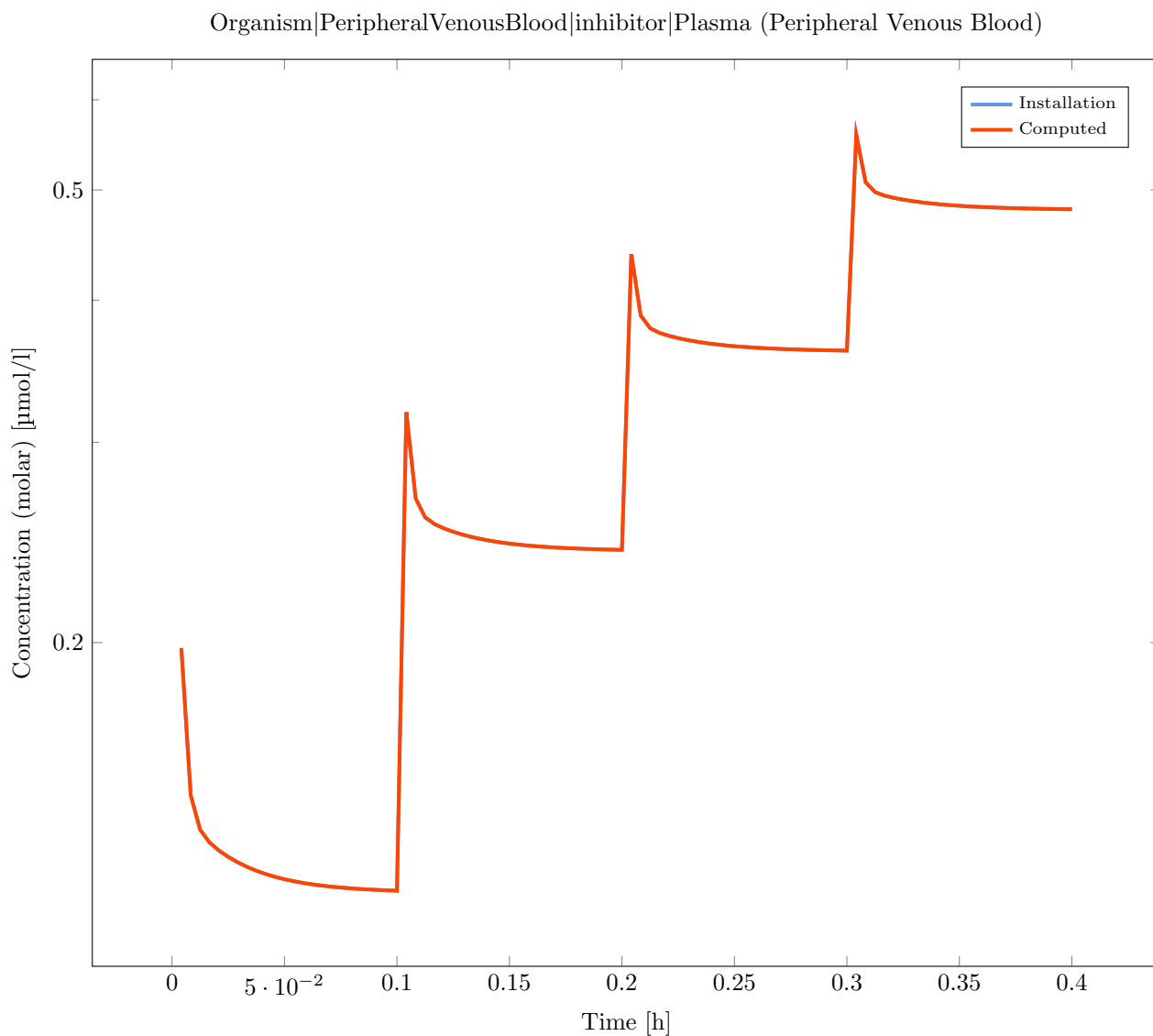


Figure 1.170

**Simulation:** Minipig\_SingleORAL\_Dissolved-Minipig\_SingleORAL\_Dissolved

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

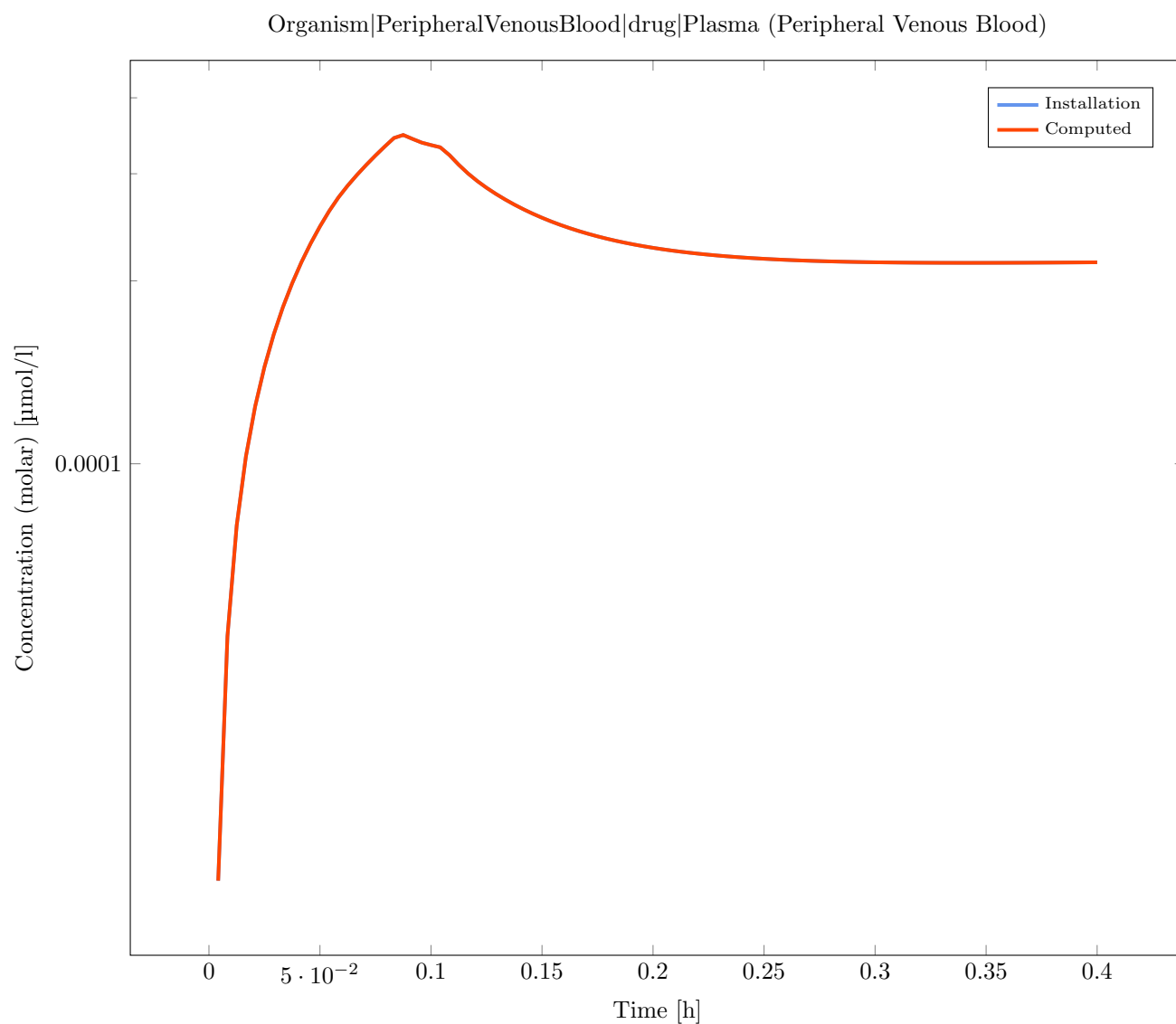


Figure 1.171

**Simulation:** Minipig\_SingleORAL\_Dissolved-Minipig\_SingleORAL\_Dissolved\_MW\_200\_fu.0.2\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

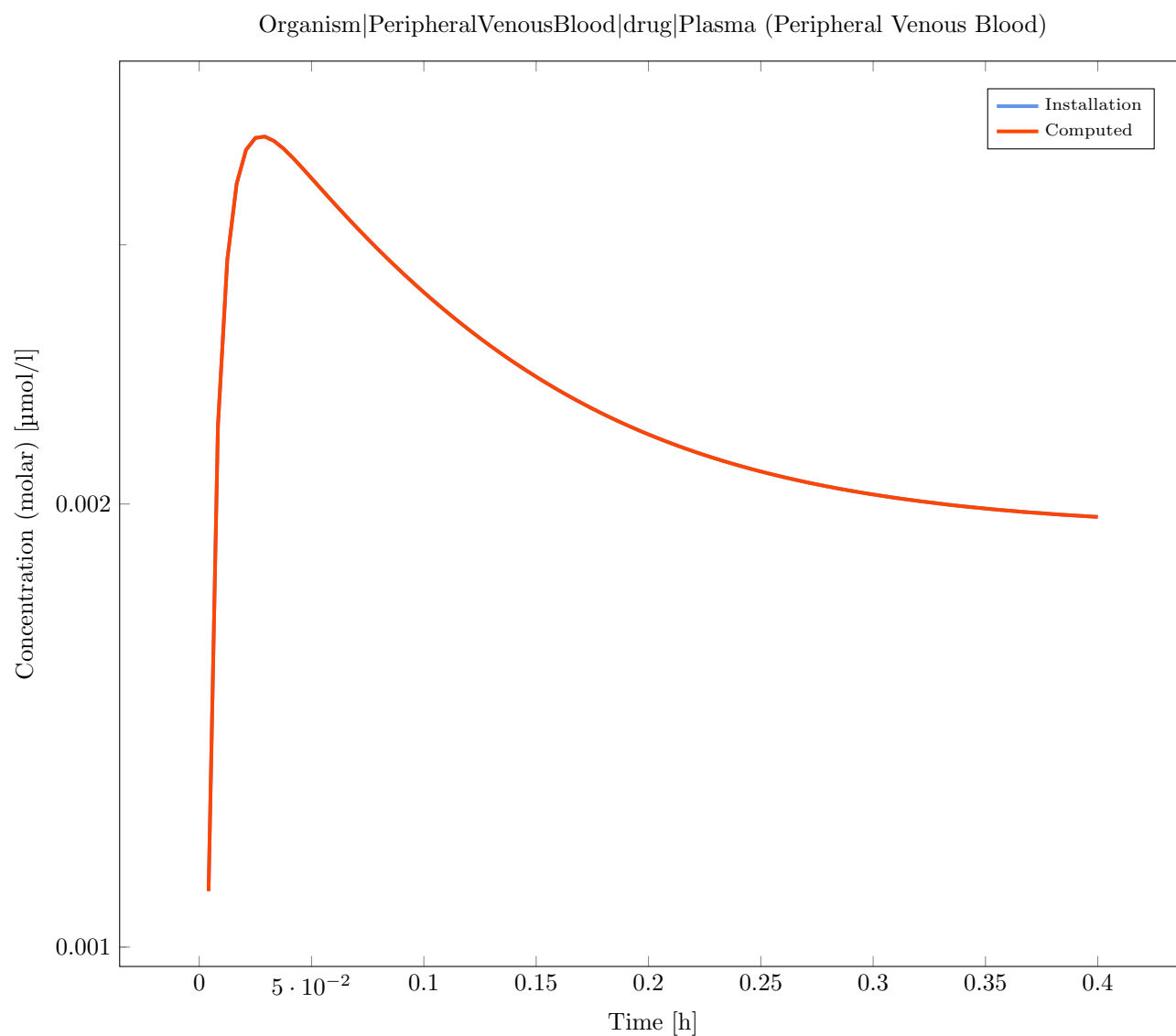


Figure 1.172

**Simulation:** Minipig\_SingleORAL\_Dissolved-Minipig\_SingleORAL\_Dissolved\_MW\_800\_fu\_0.6\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0



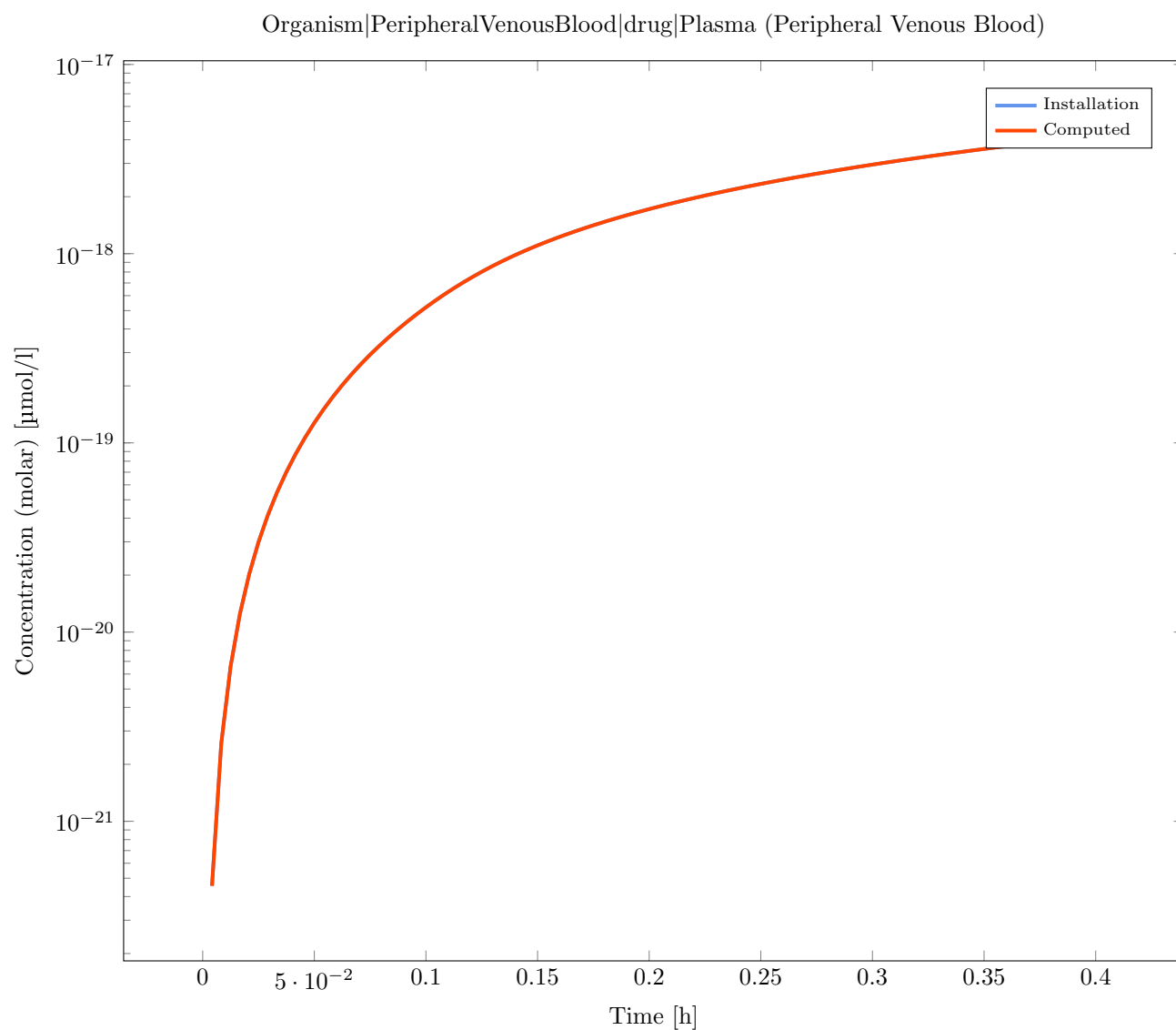


Figure 1.173

**Simulation:** Monkey\_SingleORAL\_Dissolved-Monkey\_SingleORAL\_Dissolved

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

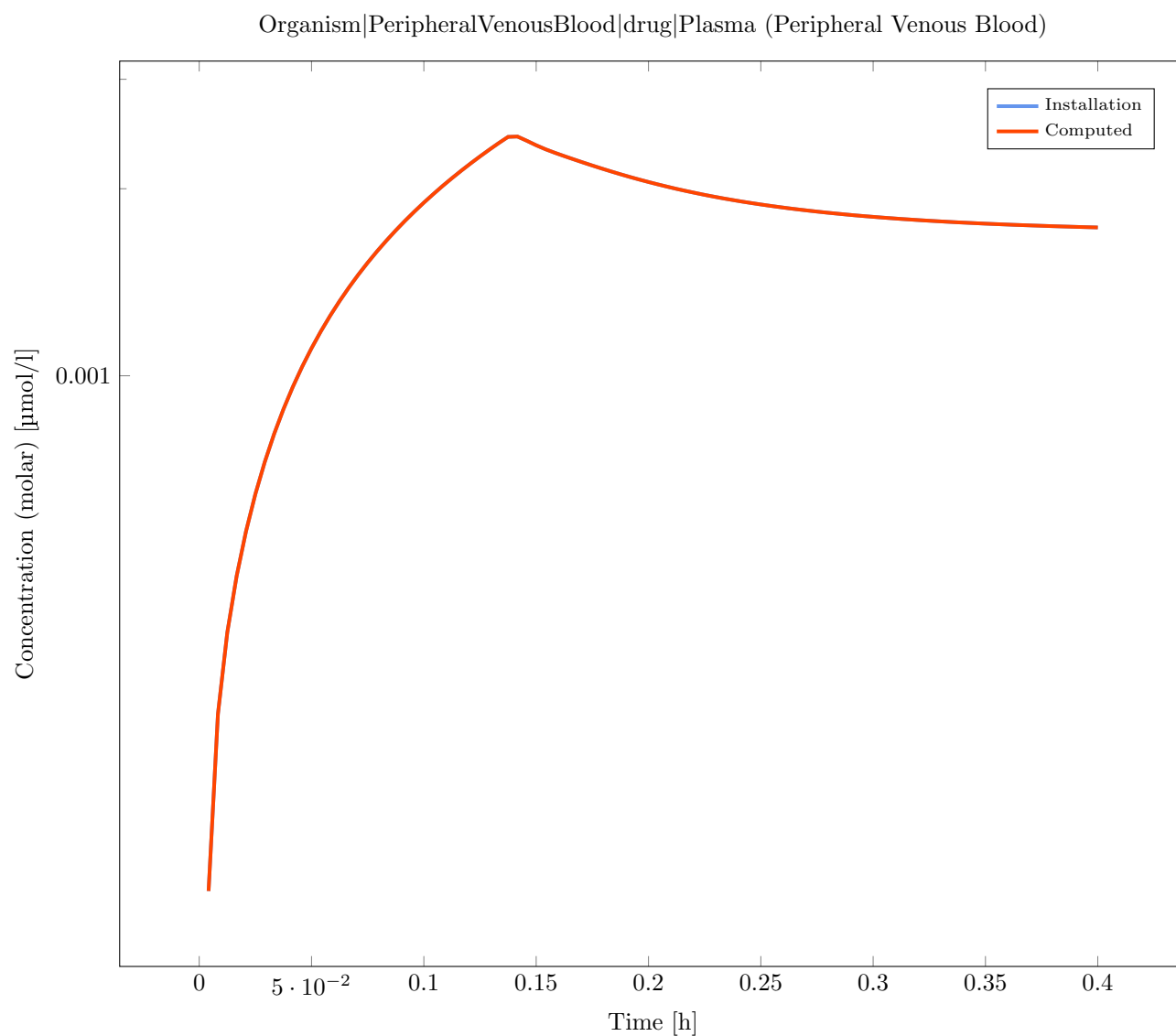


Figure 1.174

**Simulation:** Monkey\_SingleORAL\_Dissolved-Monkey\_SingleORAL\_Dissolved\_MW\_200\_fu\_0.2\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

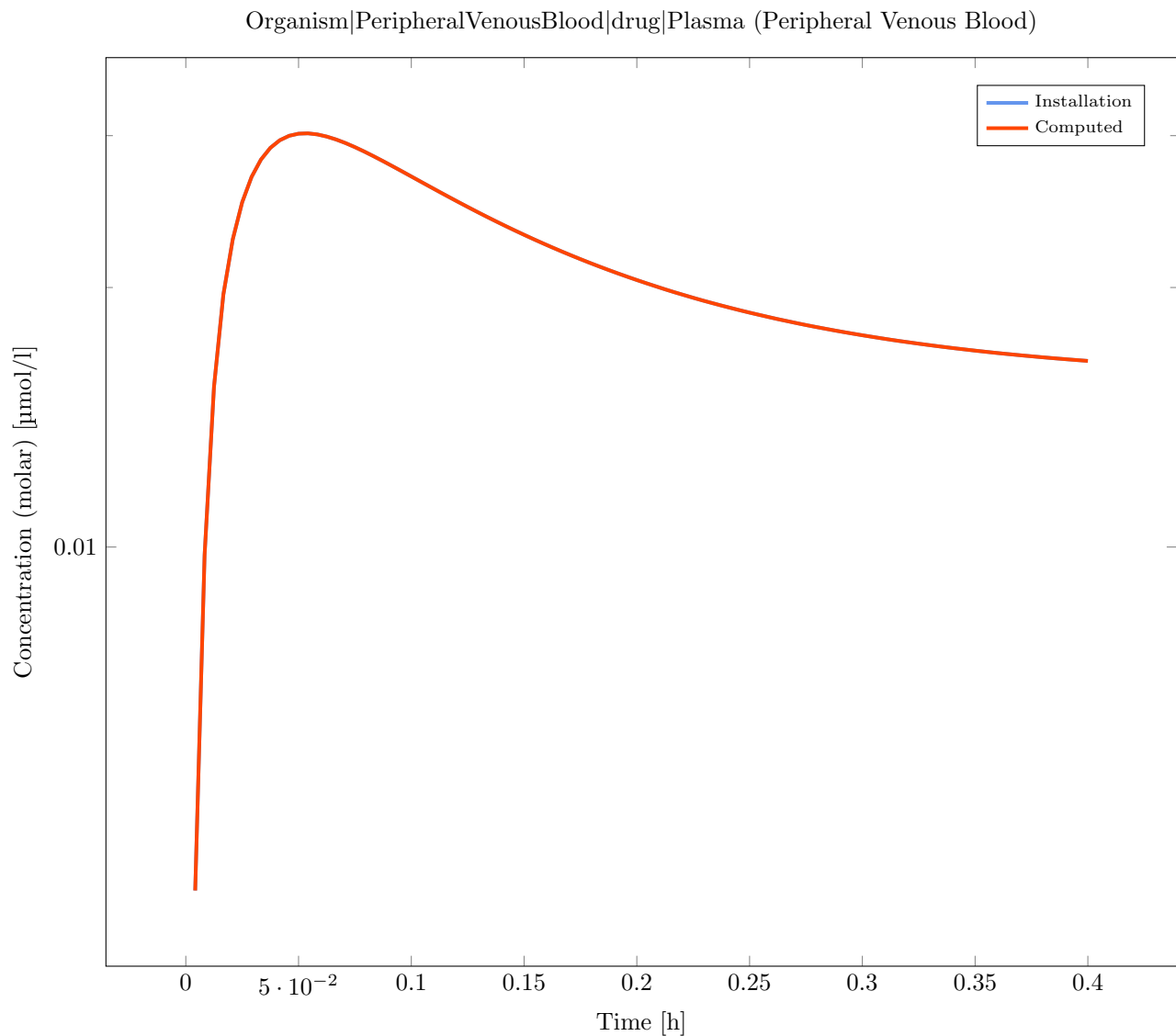


Figure 1.175

**Simulation:** Monkey\_SingleORAL\_Dissolved-Monkey\_SingleORAL\_Dissolved\_MW\_800\_fu\_0.6\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

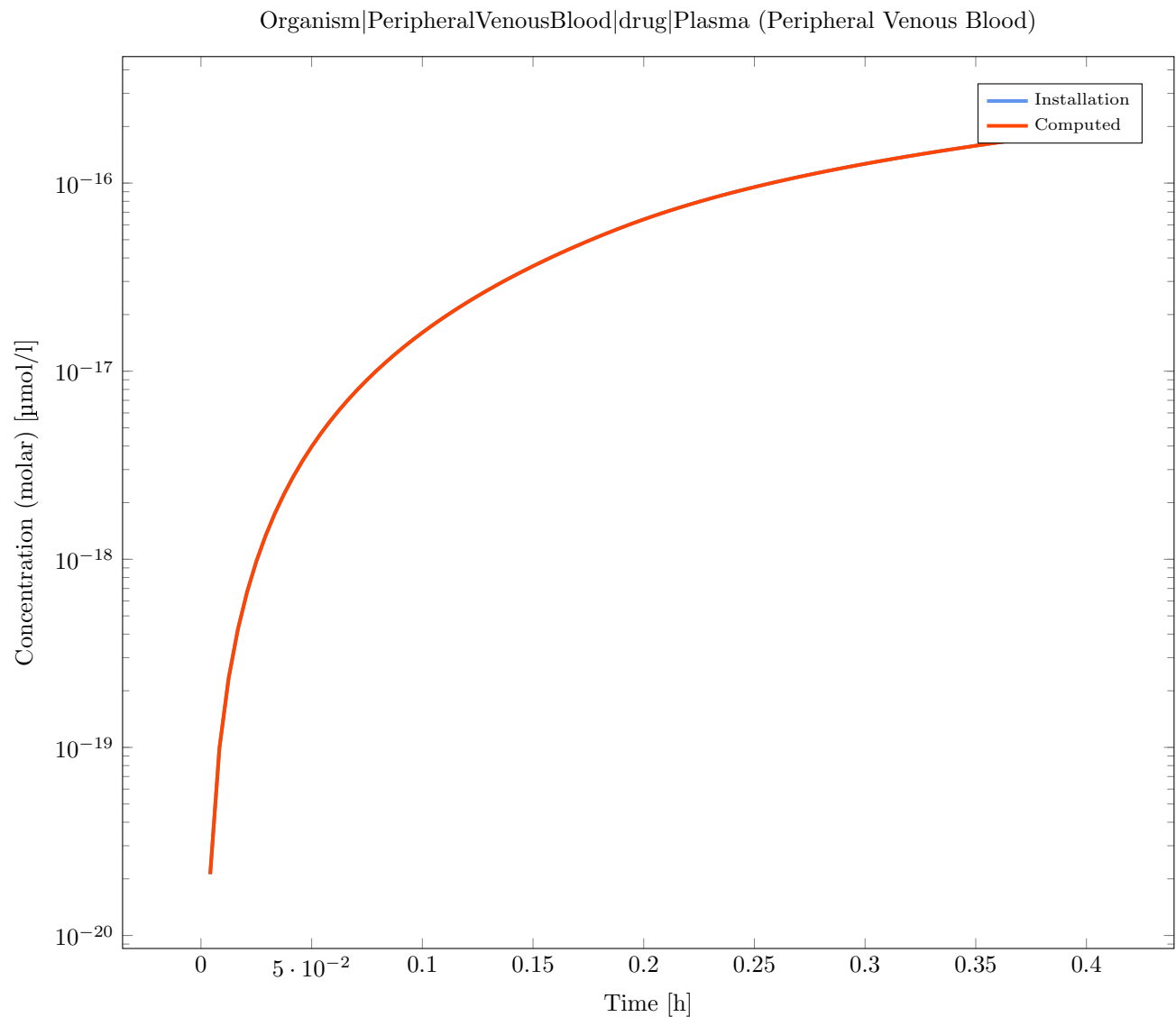


Figure 1.176

**Simulation:** Mouse\_SingleORAL\_Dissolved-Mouse\_SingleORAL\_Dissolved

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

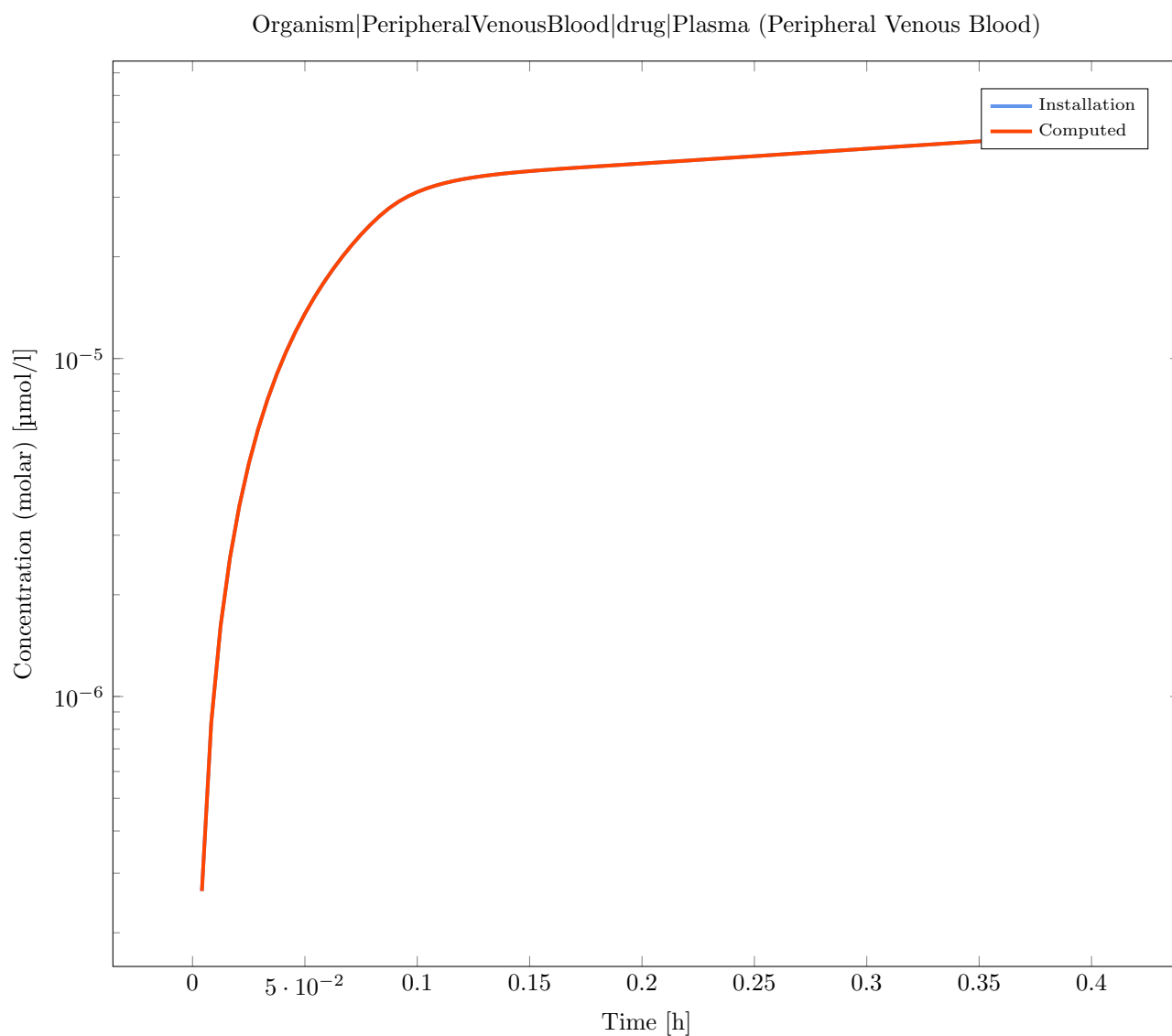


Figure 1.177

**Simulation:** Mouse\_SingleORAL\_Dissolved-Mouse\_SingleORAL\_Dissolved\_MW\_200\_fu\_0.2\_LogP - 5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

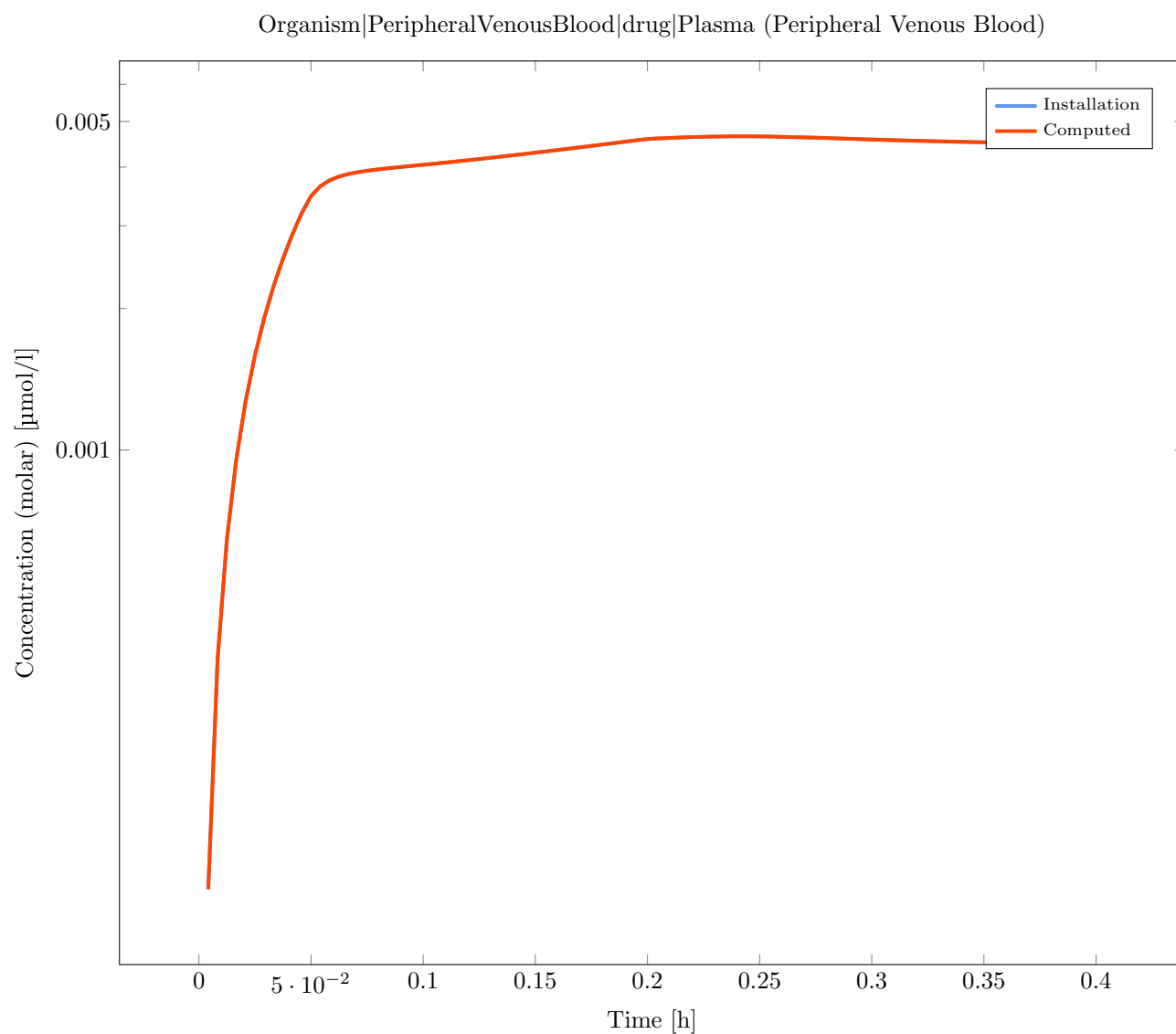


Figure 1.178

**Simulation:** Mouse\_SingleORAL\_Dissolved-Mouse\_SingleORAL\_Dissolved\_MW\_800\_fu\_0.6\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

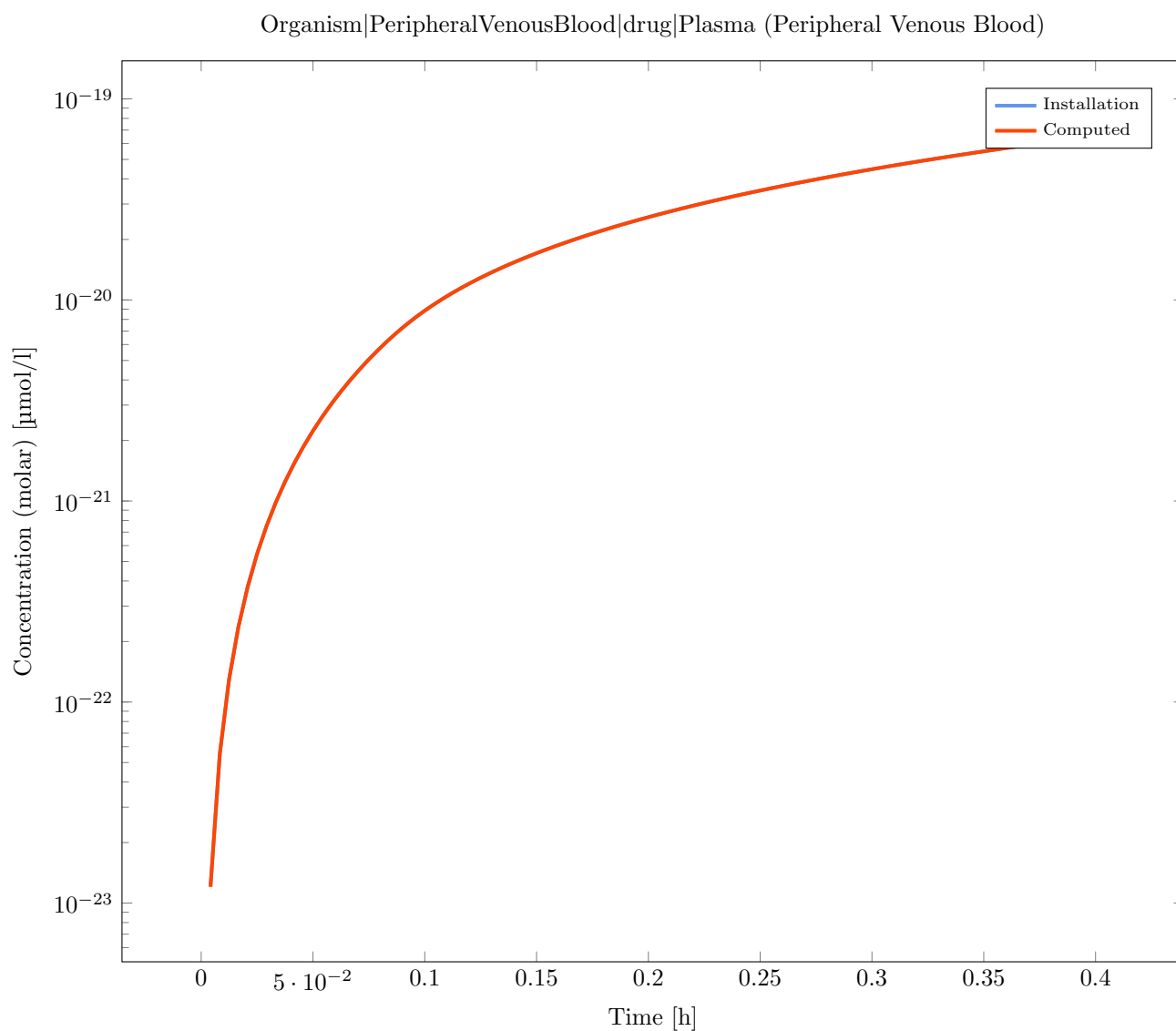


Figure 1.179

**Simulation:** Preterm\_SingleIV\_Age\_0\_GA\_32\_CYP3A4-Preterm\_SingleIV\_Age\_0\_GA\_32\_CYP3A4

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 1.17E-7

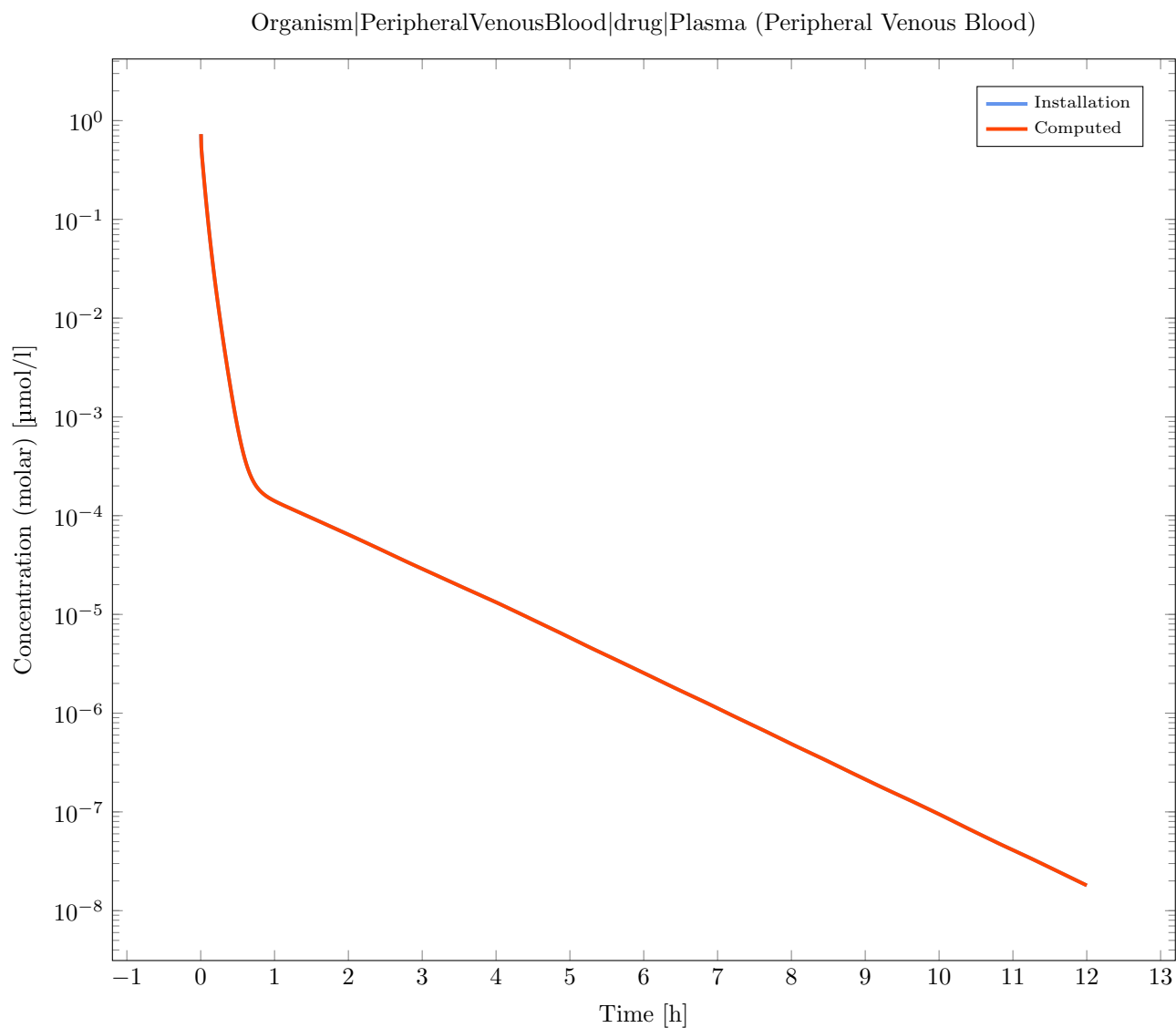


Figure 1.180

**Simulation:** Preterm\_SingleIV\_Age\_0\_GA\_32\_GFR-Preterm\_SingleIV\_Age\_0\_GA\_32\_GFR

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 2.10E-5



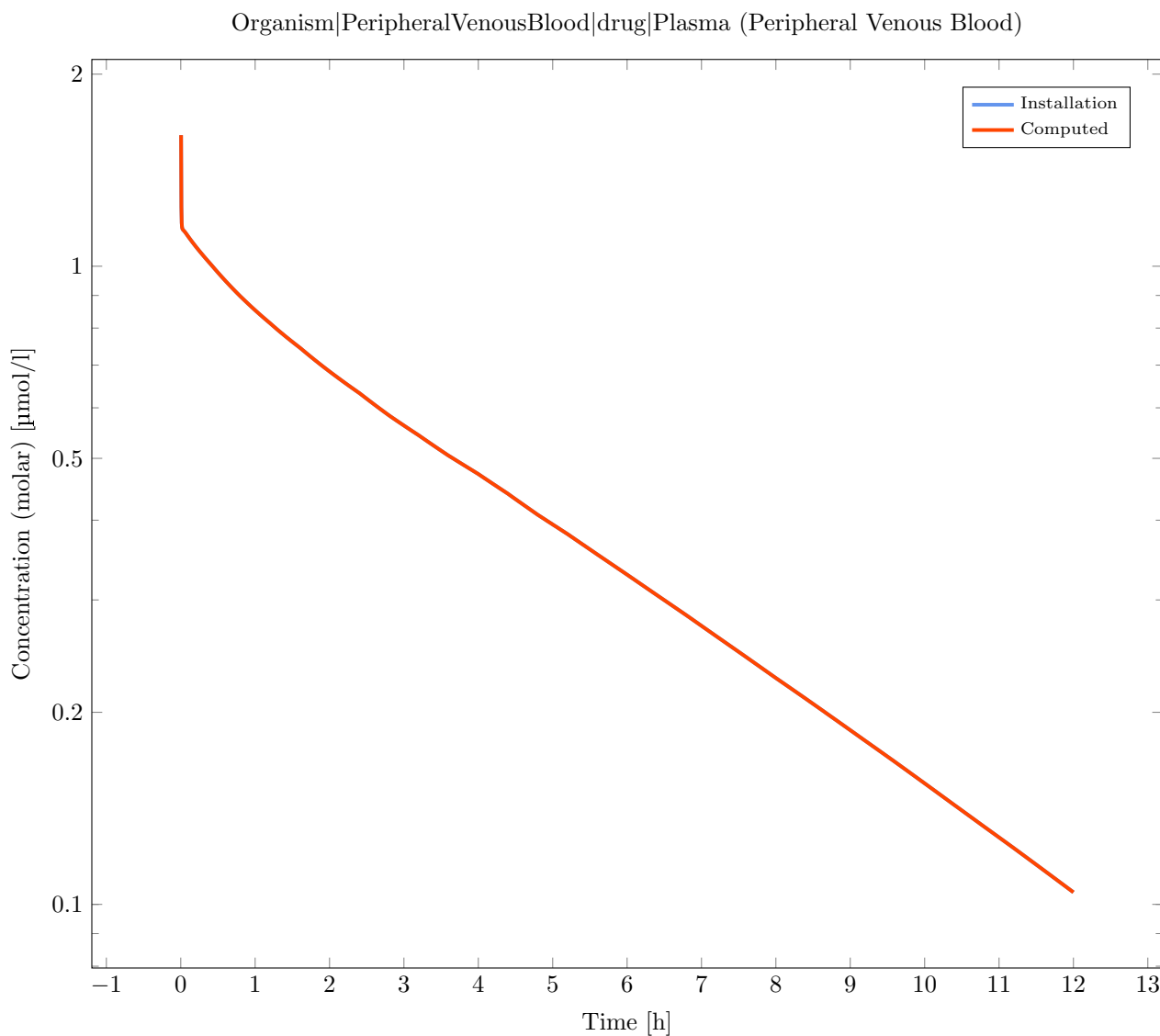


Figure 1.181

**Simulation:** Preterm\_SingleIV\_Age\_15\_GA\_32\_CYP3A4-Preterm\_SingleIV\_Age\_15\_GA\_32\_CYP3A4

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

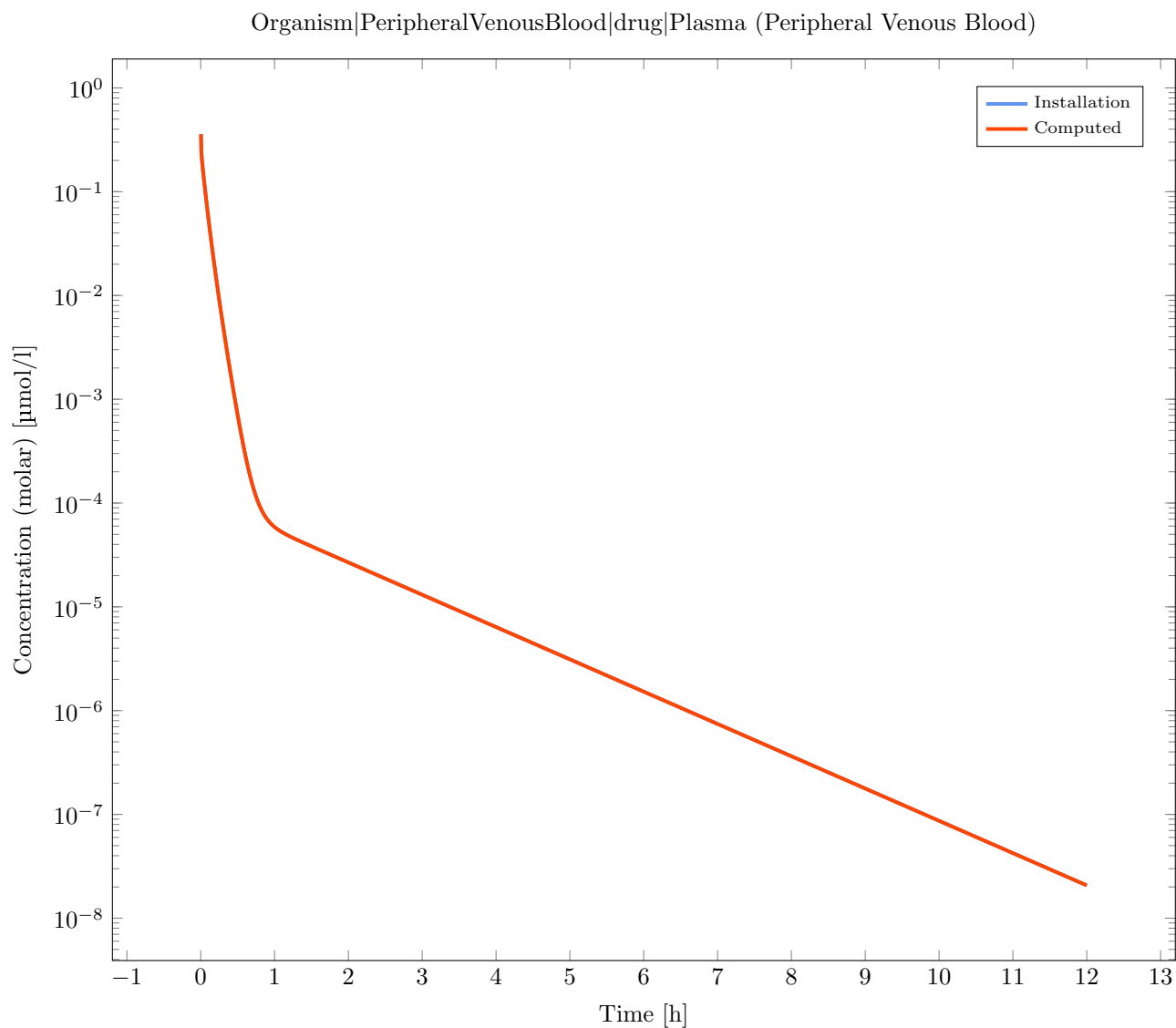


Figure 1.182

**Simulation:** Preterm\_SingleIV\_Age\_15\_GA\_32\_GFR-Preterm\_SingleIV\_Age\_15\_GA\_32\_GFR

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

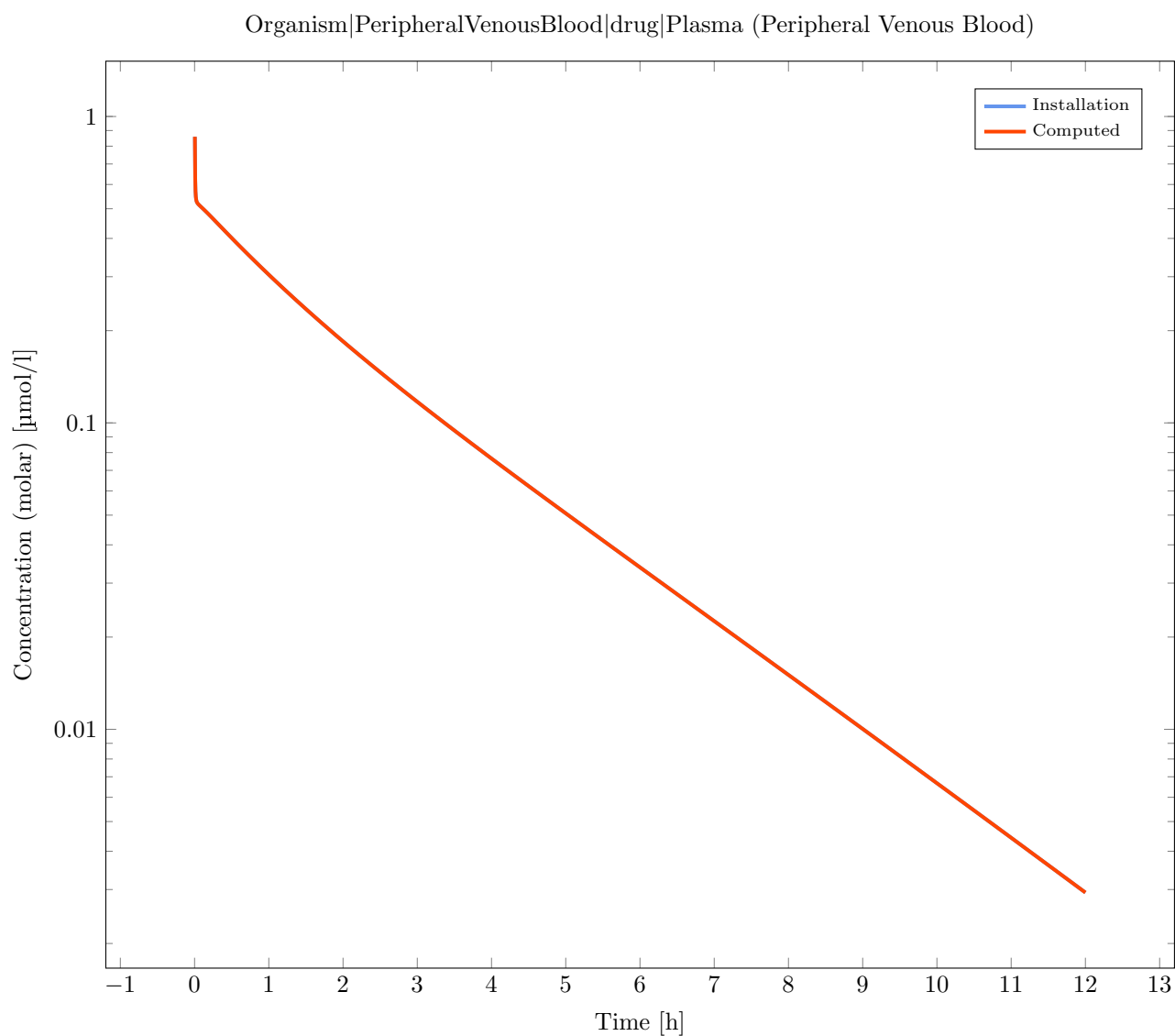


Figure 1.183

**Simulation:** Rabbit\_SingleORAL\_Dissolved-Rabbit\_SingleORAL\_Dissolved

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

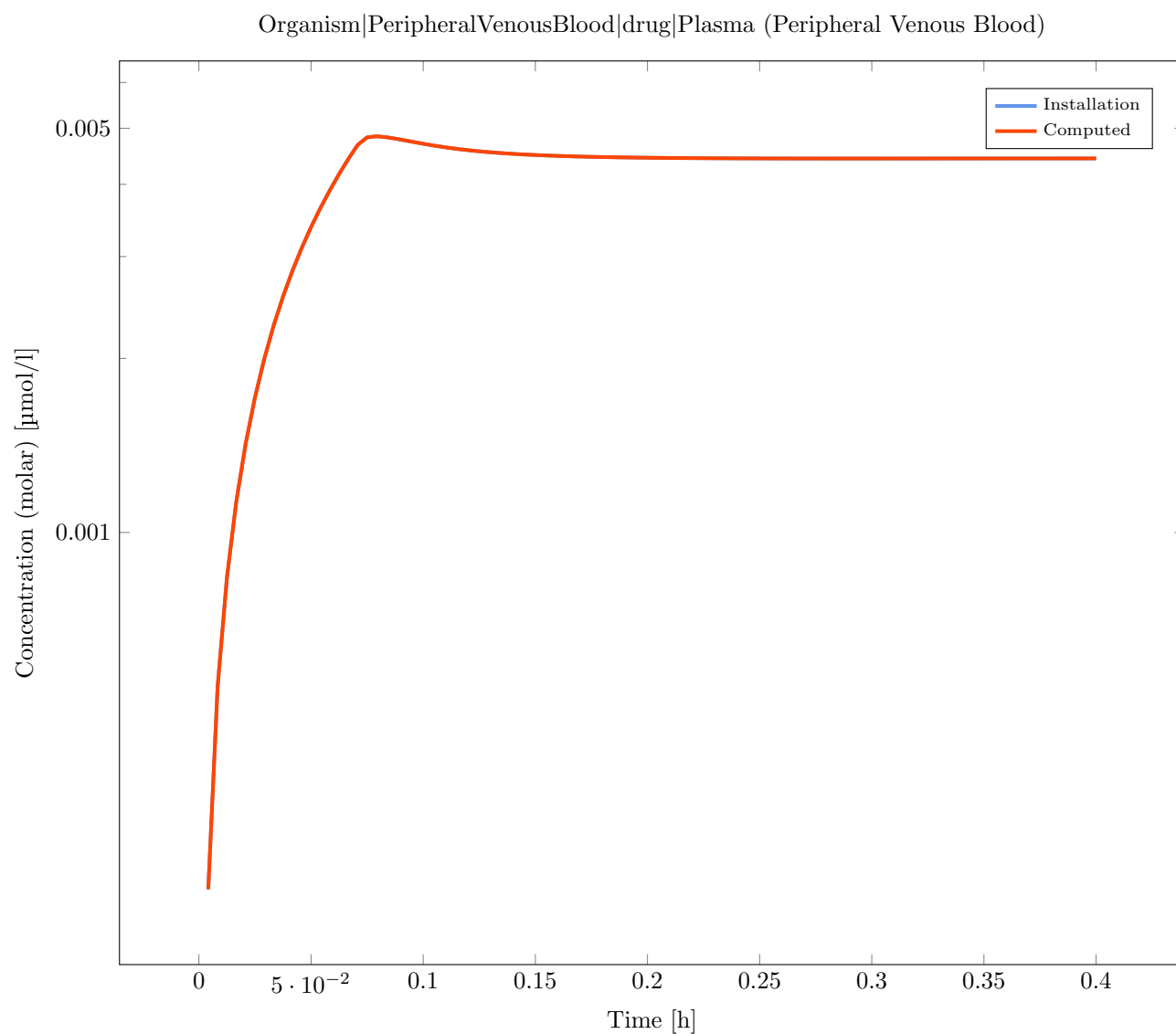


Figure 1.184

**Simulation:** Rabbit\_SingleORAL\_Dissolved-Rabbit\_SingleORAL\_Dissolved\_MW\_200\_fu\_0.2\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

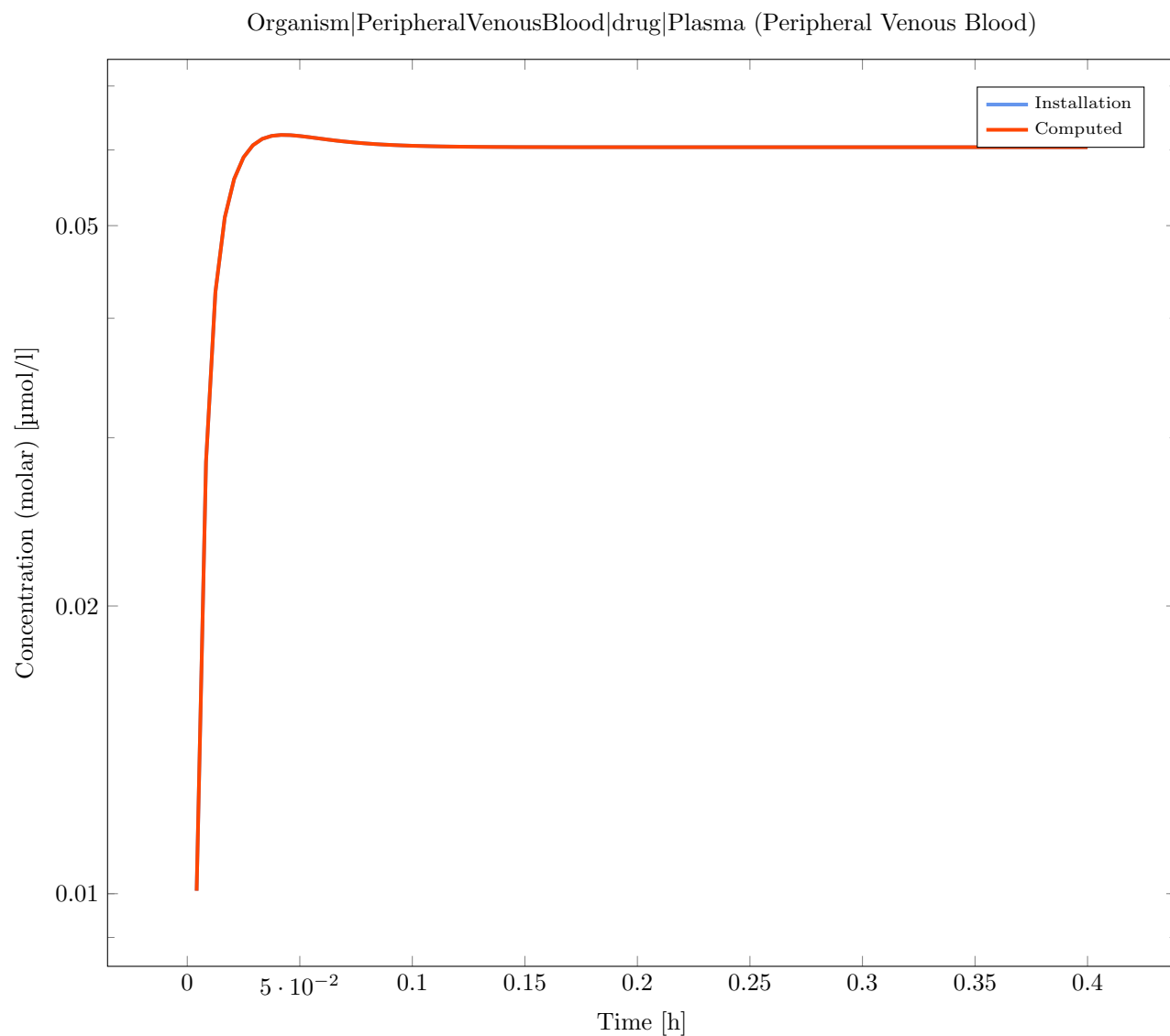


Figure 1.185

**Simulation:** Rabbit\_SingleORAL\_Dissolved-Rabbit\_SingleORAL\_Dissolved\_MW\_800\_fu\_0.6\_LogP\_-5

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

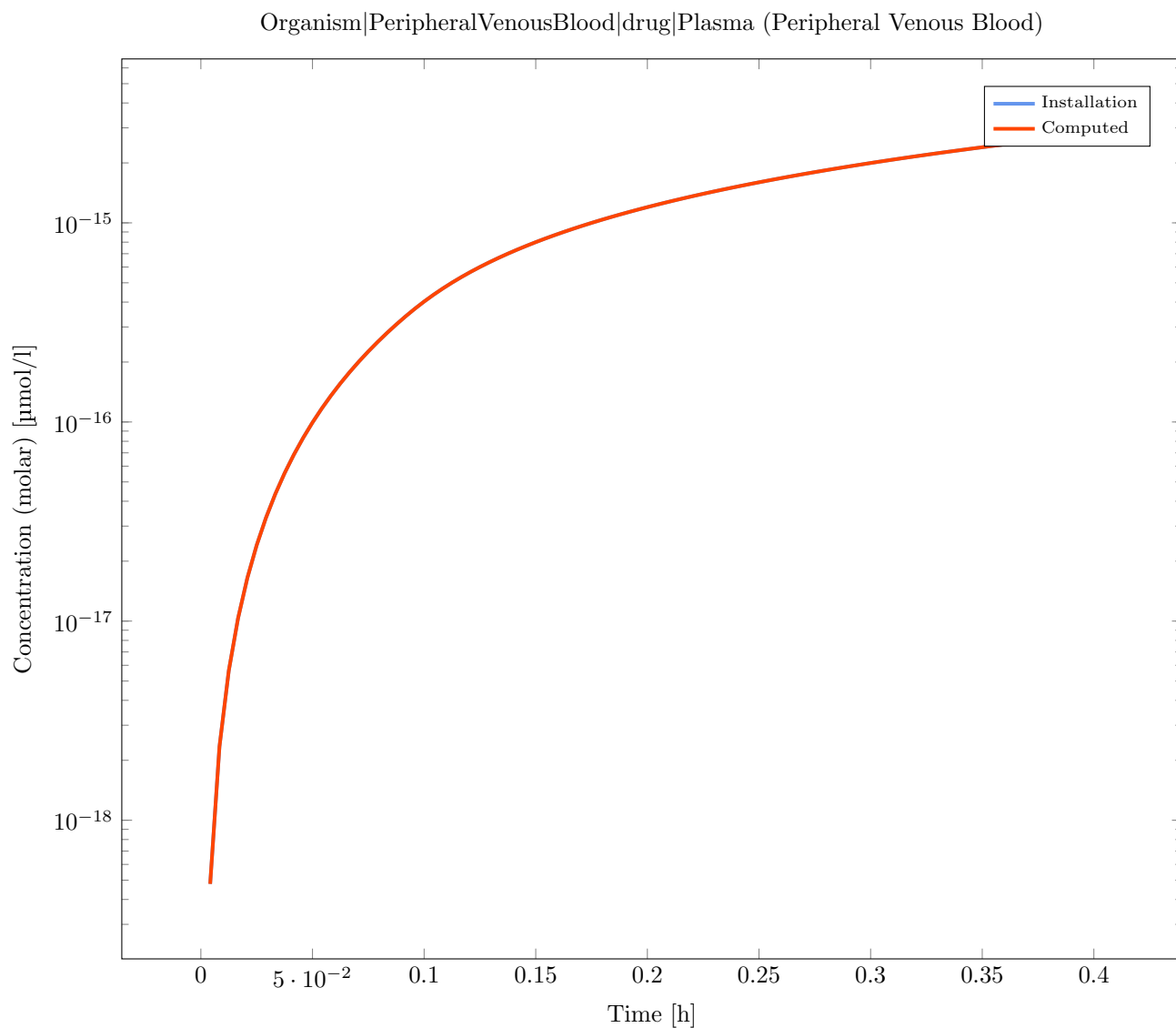


Figure 1.186

**Simulation:** Rat\_MultiORAL\_6.6.12\_Dissolved-Rat\_MultiORAL\_6.6.12\_Dissolved

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

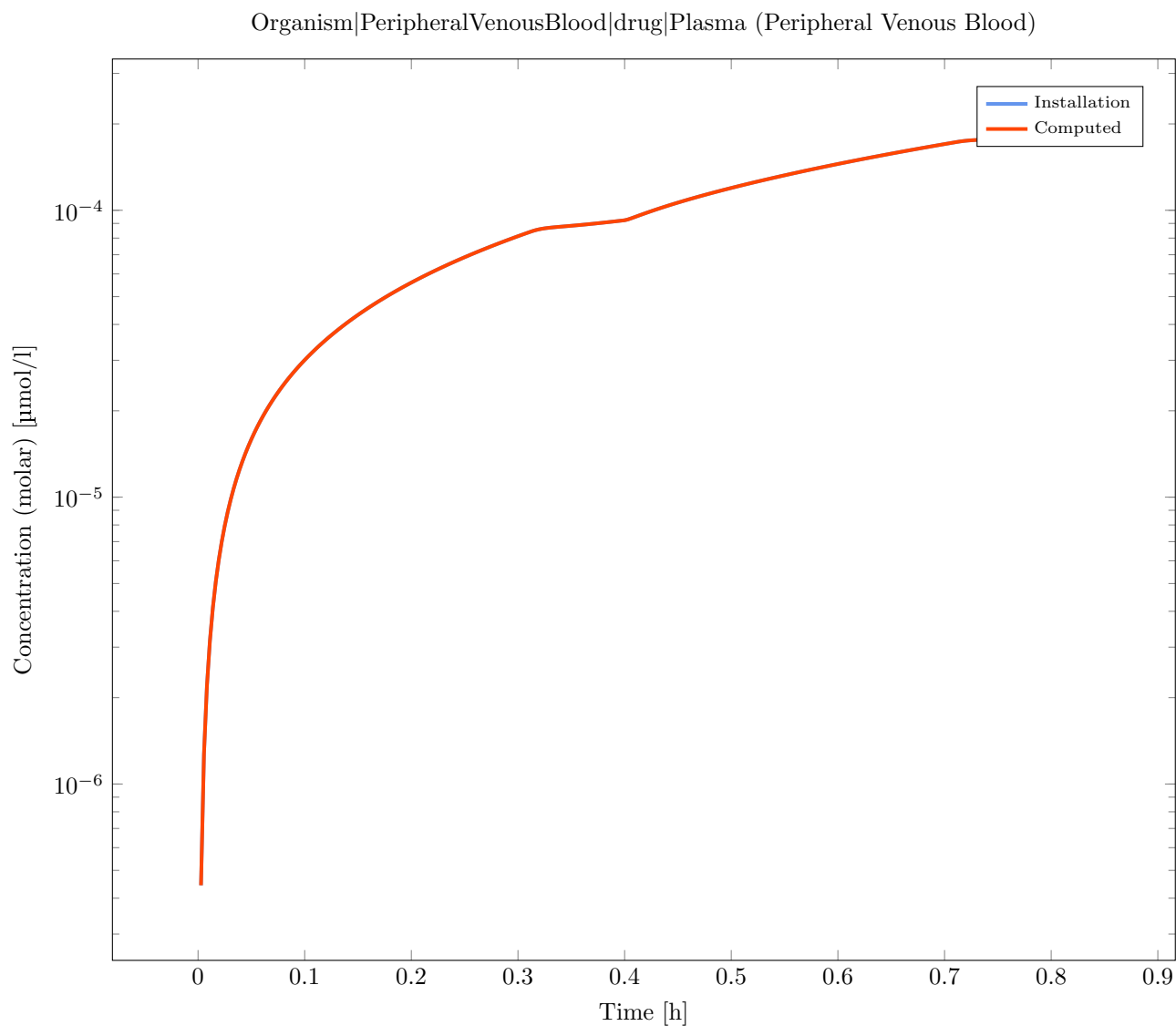


Figure 1.187

**Simulation:** Rat\_MultiORAL\_6\_6\_6\_6\_Dissolved-Rat\_MultiORAL\_6\_6\_6\_6\_Dissolved

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

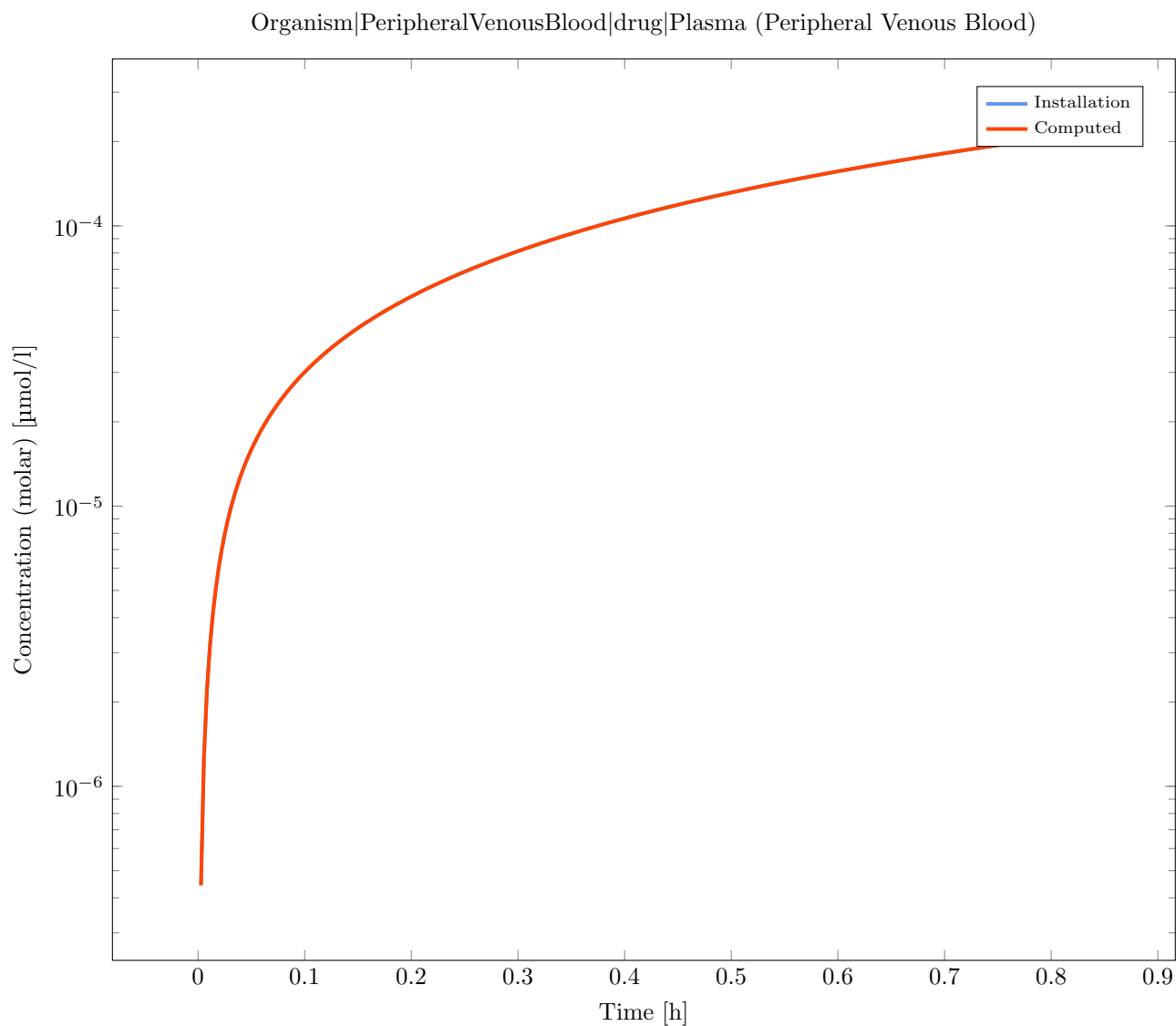


Figure 1.188

**Simulation:** Rat\_MultiORAL\_8\_8\_8\_Dissolved-Rat\_MultiORAL\_8\_8\_8\_Dissolved

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0



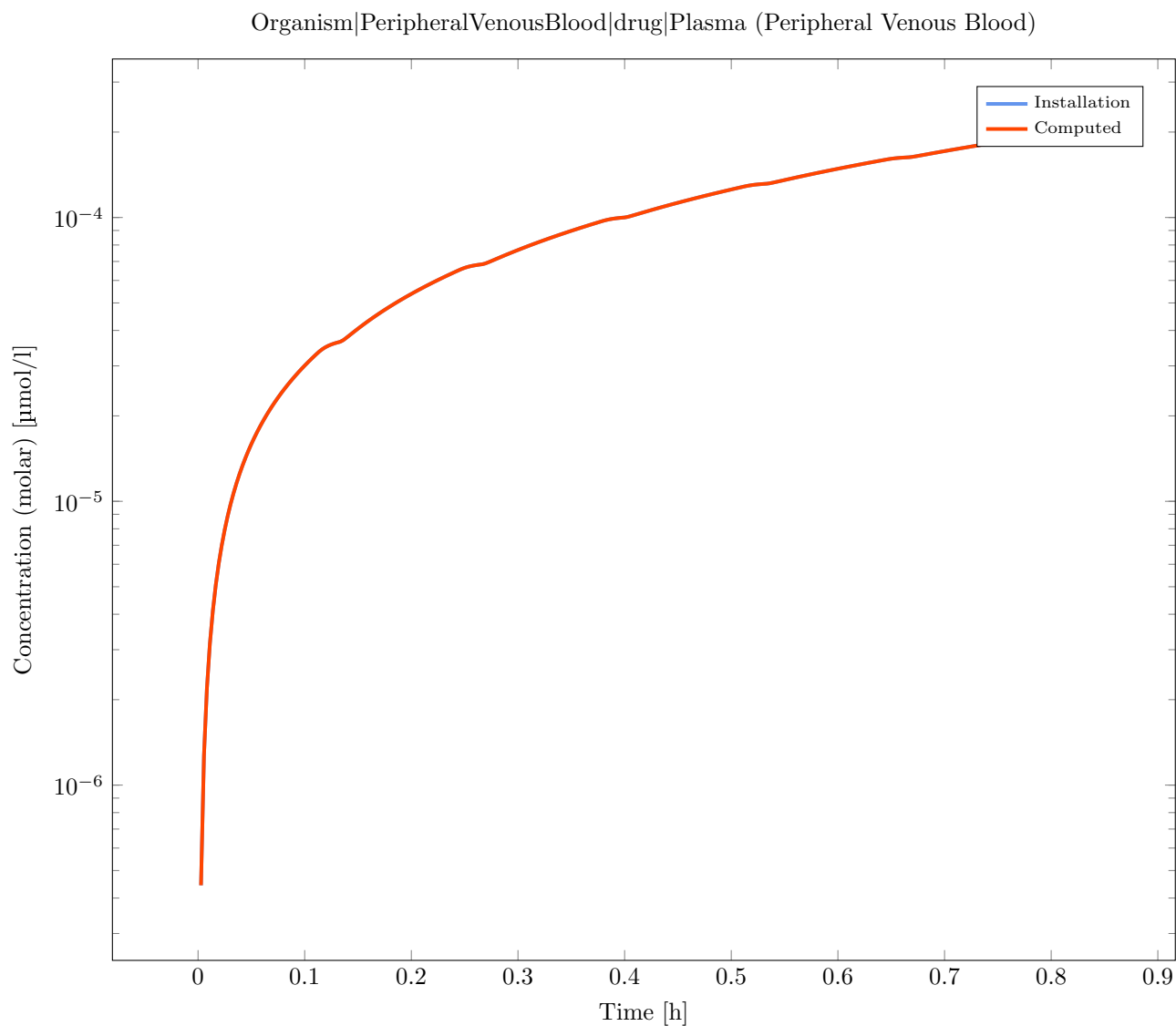


Figure 1.189

**Simulation:** SingleIV\_2Pores\_Human-SingleIV\_2Pores\_Human

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

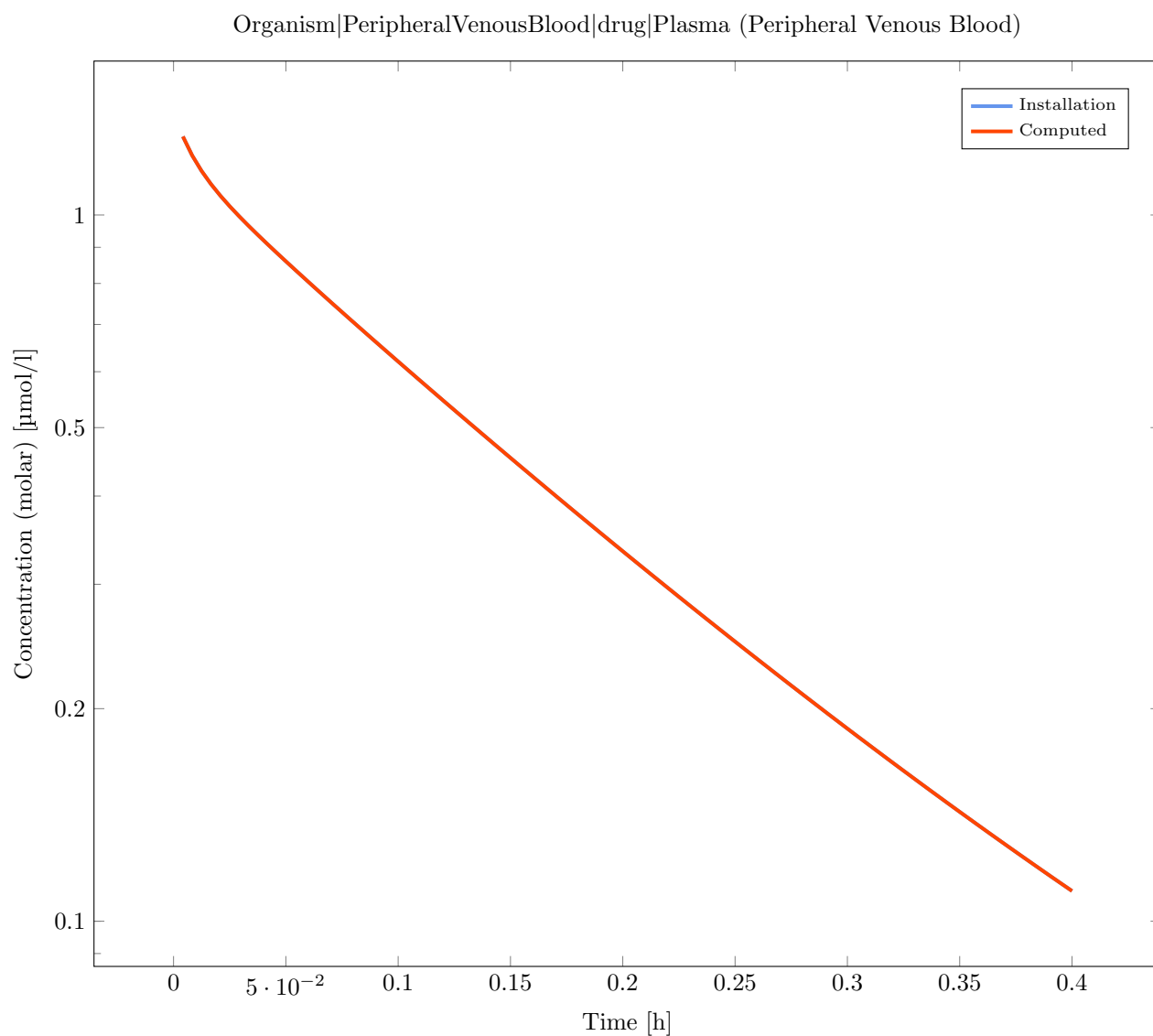


Figure 1.190

**Simulation:** SingleIV\_2Pores\_Human-SingleIV\_2Pores\_Human\_SimulationC

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

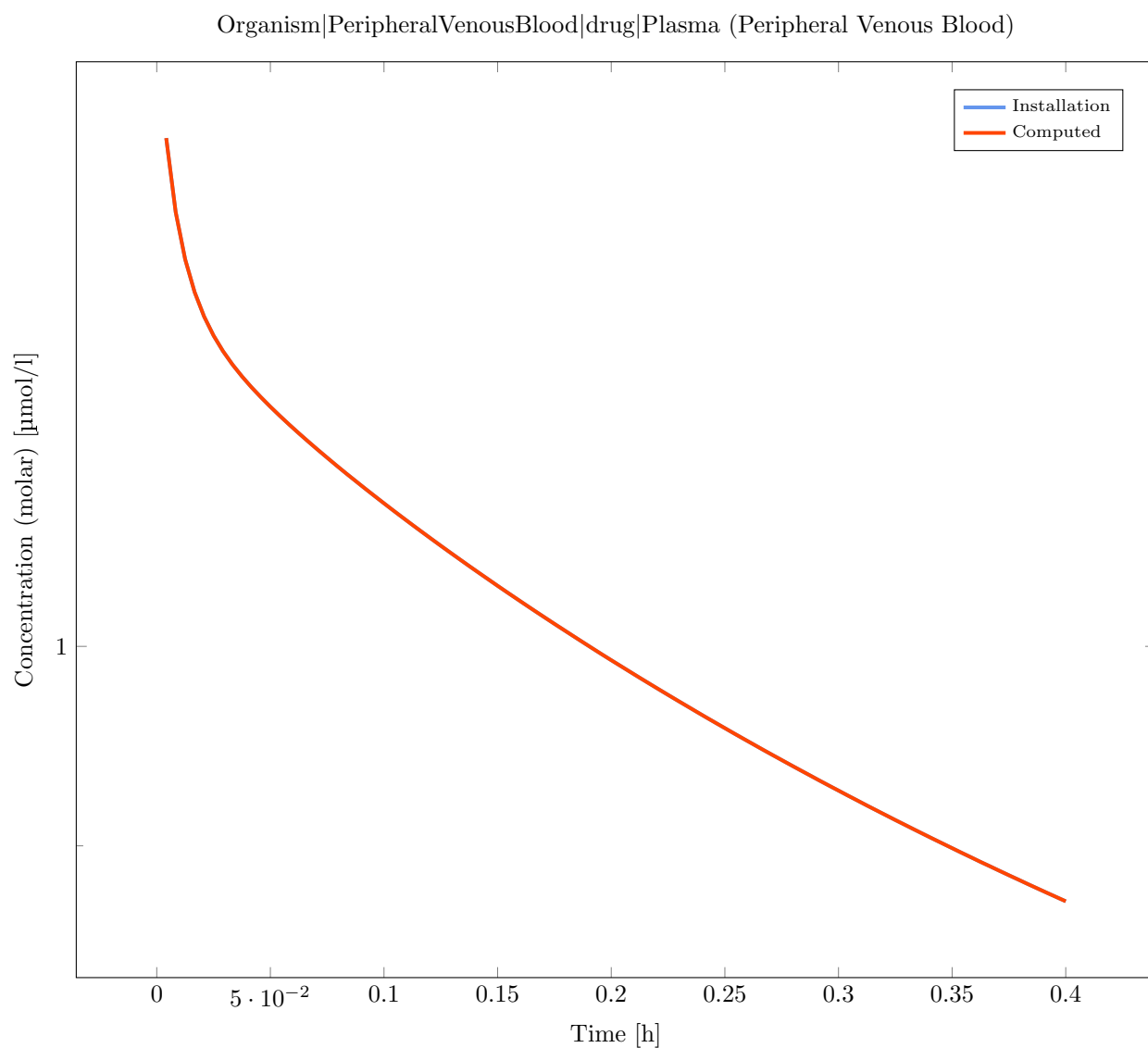


Figure 1.191

**Simulation:** SingleIV\_2Pores\_Human-SingleIV\_2Pores\_Human\_SimulationD

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

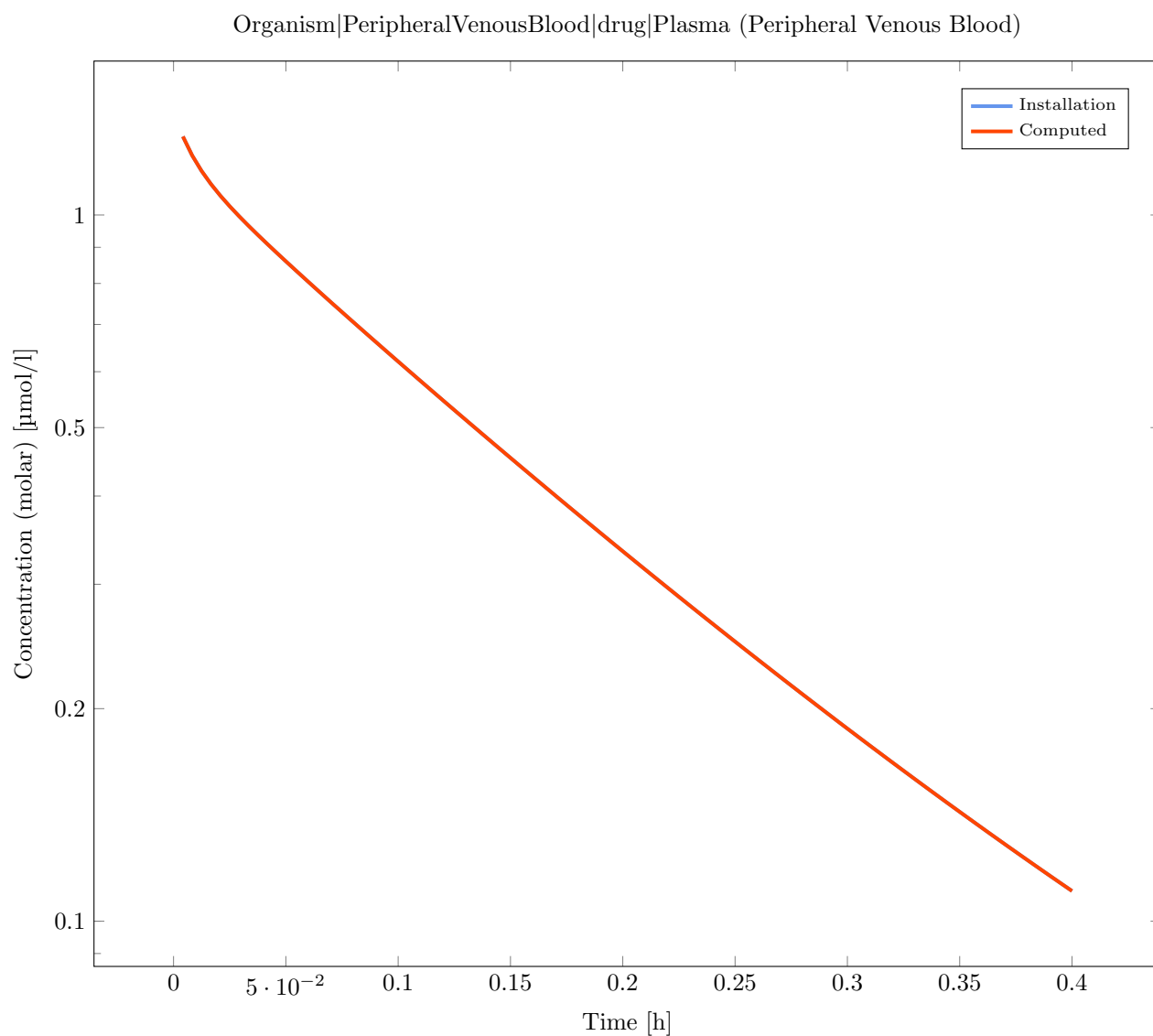


Figure 1.192

**Simulation:** SingleIV\_2Pores\_Human-SingleIV\_2Pores\_Human\_SimulationF

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

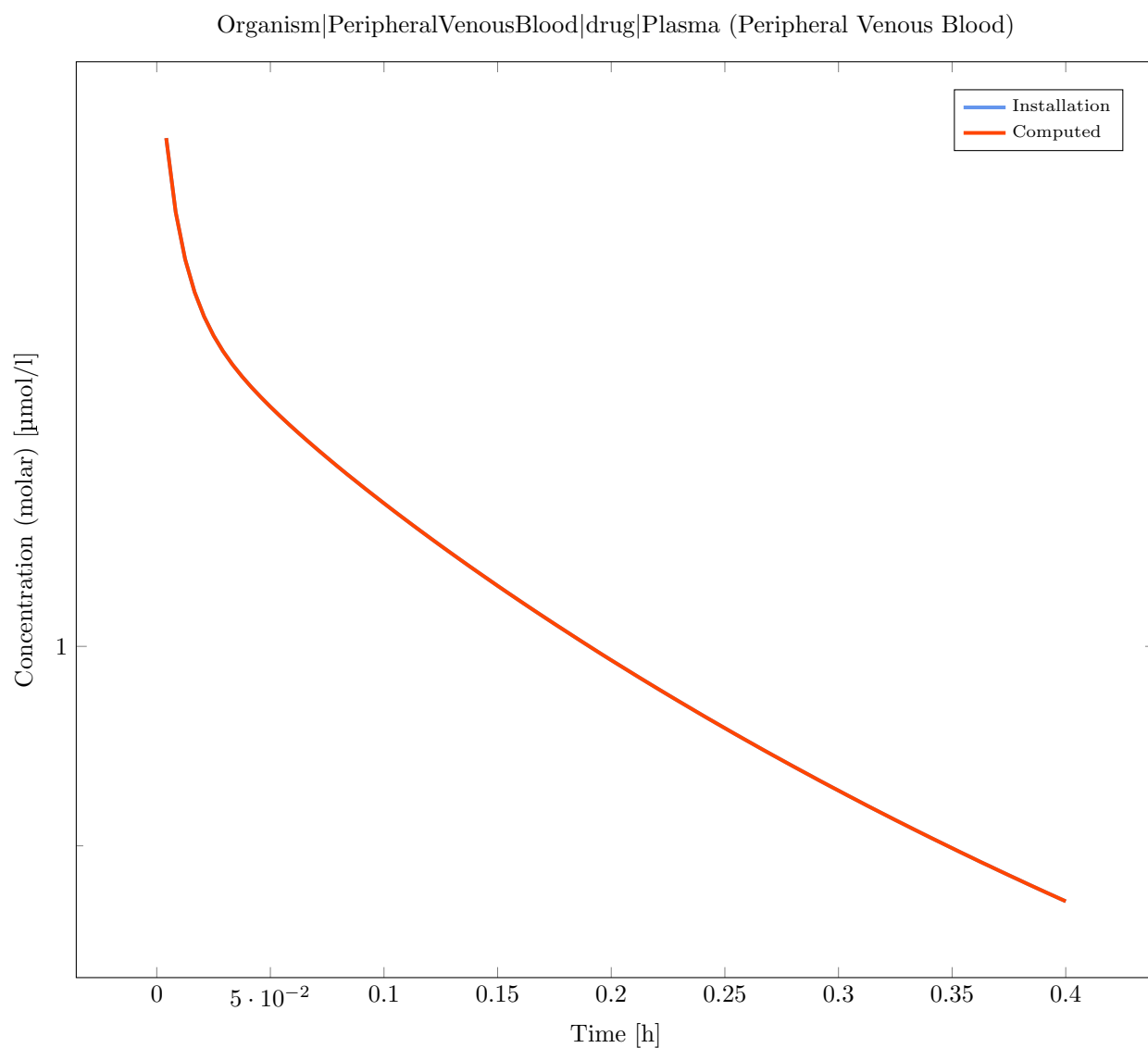


Figure 1.193

**Simulation:** SingleIV\_2Pores\_Monkey-SingleIV\_2Pores\_Monkey

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

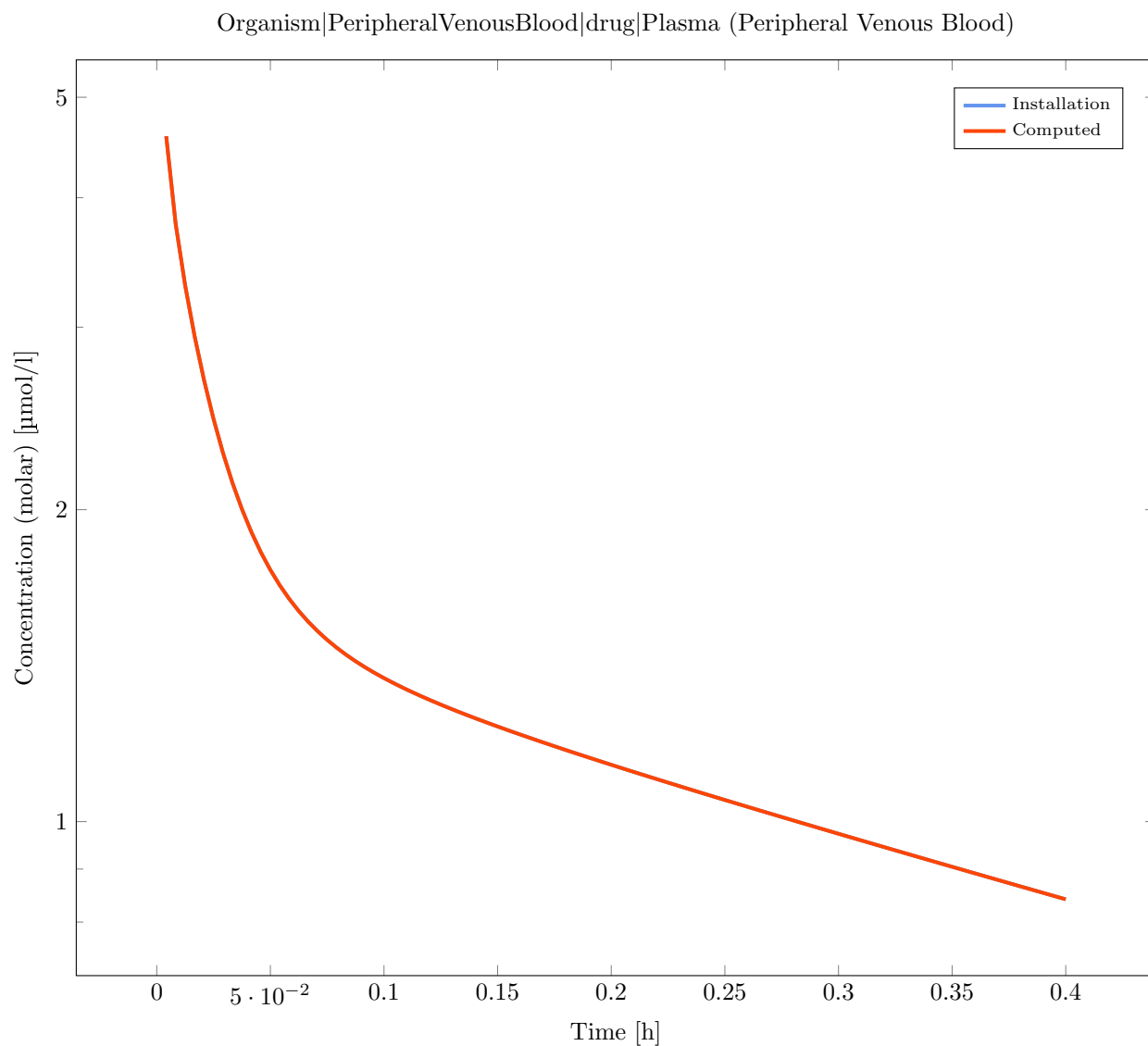


Figure 1.194

**Simulation:** SingleIV\_2Pores\_Monkey-SingleIV\_2Pores\_Monkey\_SimulationG

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

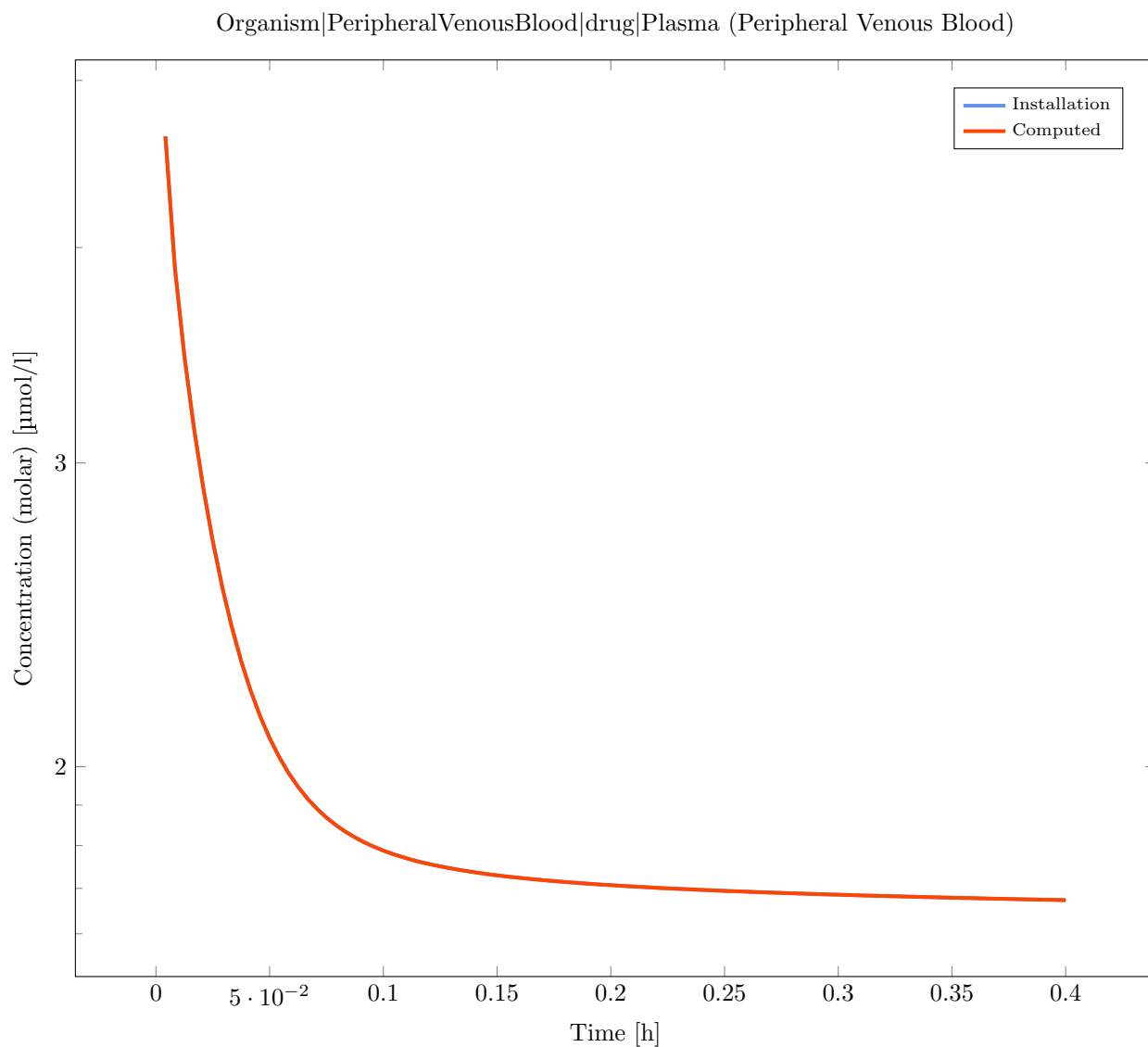


Figure 1.195

**Simulation:** SingleIV\_2Pores\_Monkey-SingleIV\_2Pores\_Monkey\_SimulationH

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

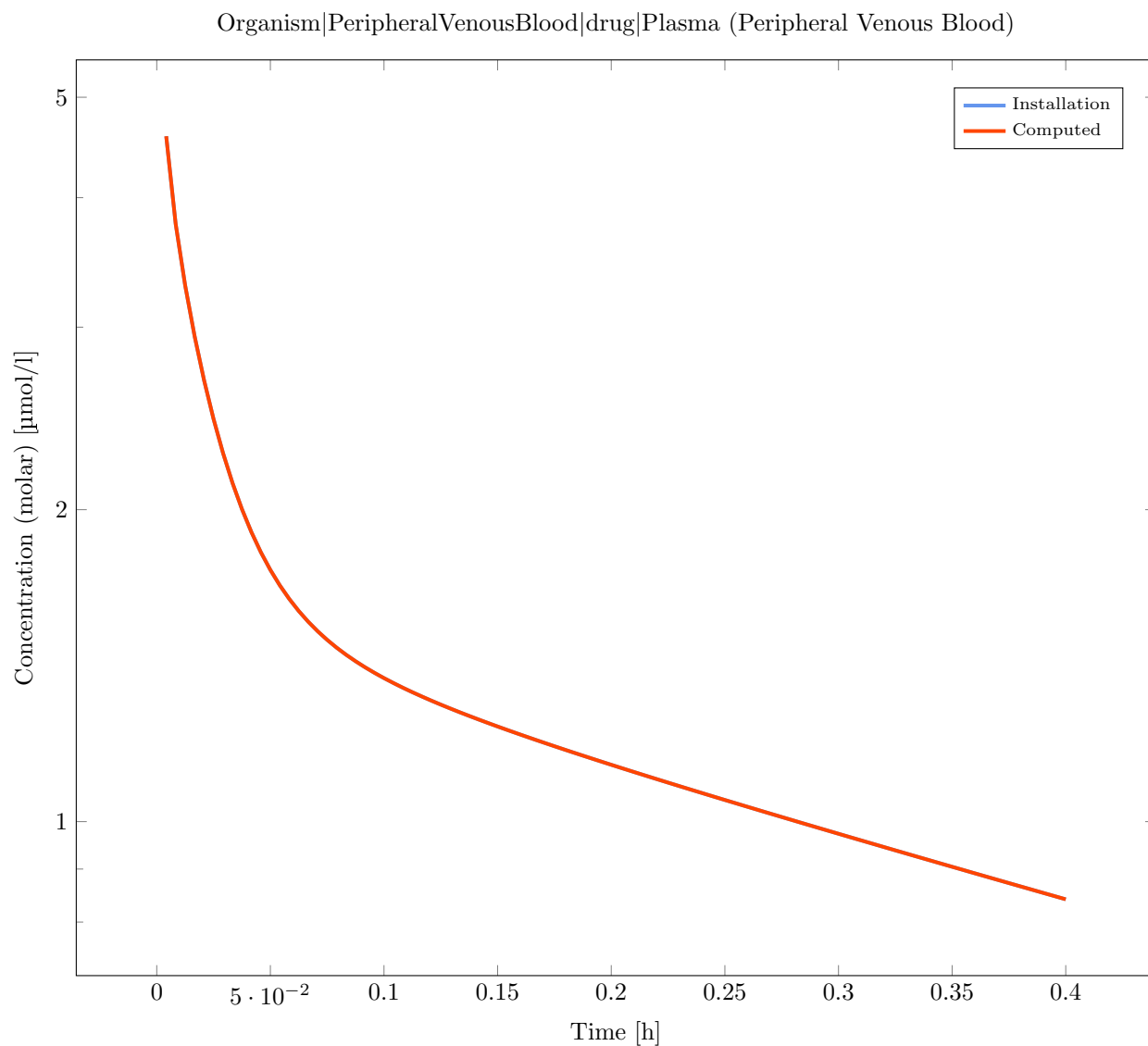


Figure 1.196

**Simulation:** SingleIV\_2Pores\_Mouse-SingleIV\_2Pores\_Mouse

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0



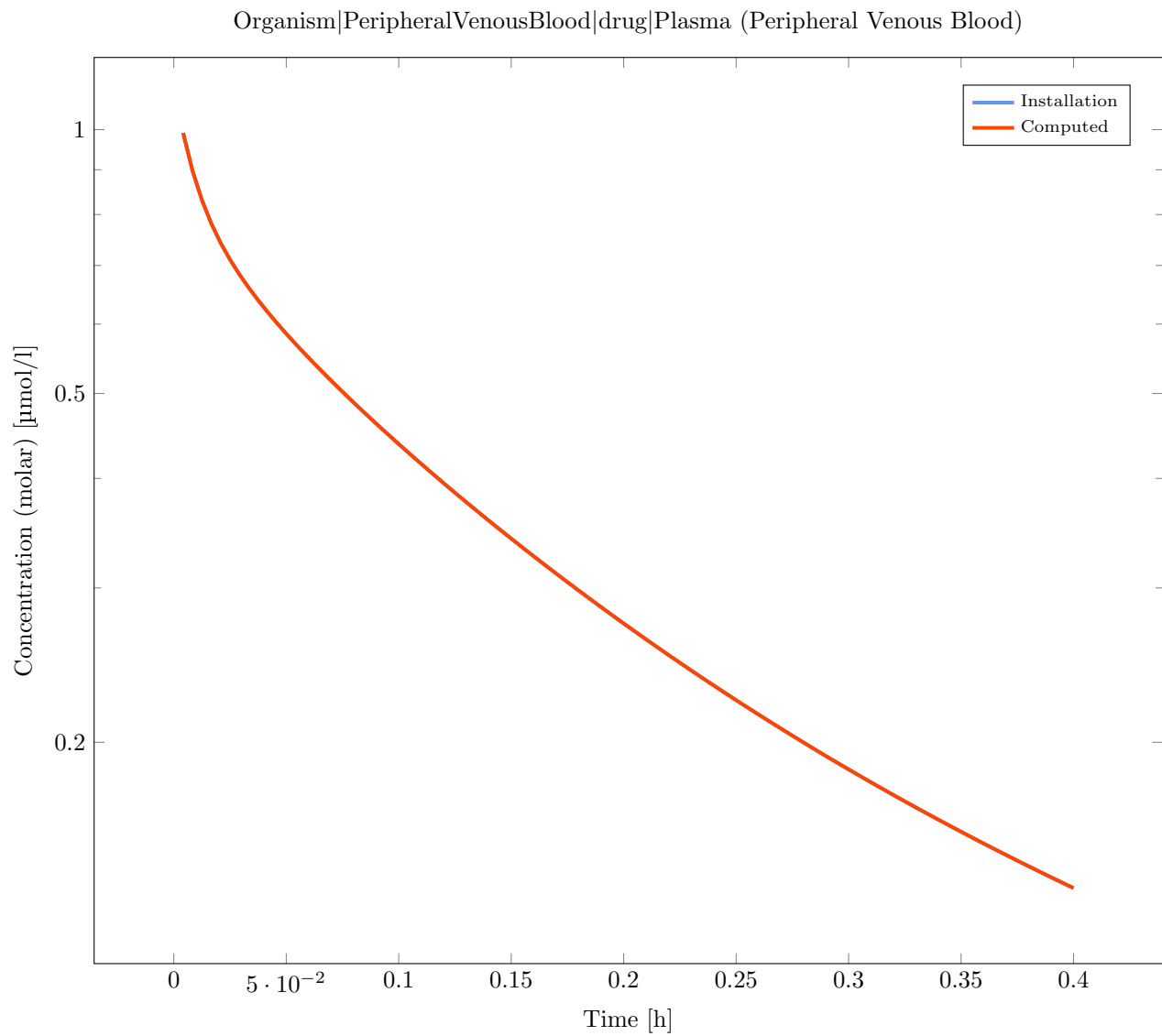


Figure 1.197

**Simulation:** SingleIV\_2Pores\_Mouse-SingleIV\_2Pores\_Mouse\_SimulationA

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

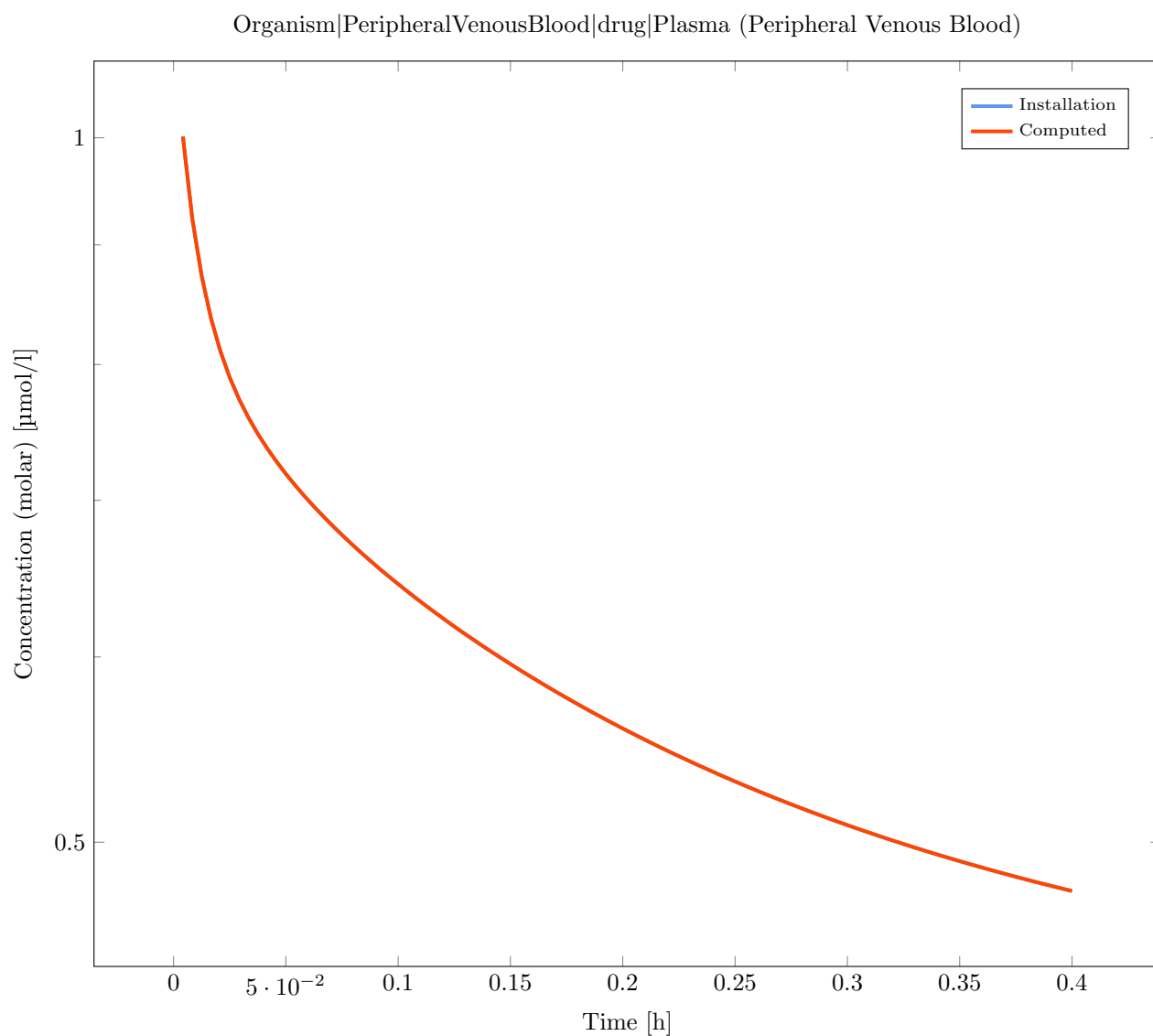


Figure 1.198

**Simulation:** SingleIV\_2Pores\_Mouse-SingleIV\_2Pores\_Mouse\_SimulationB

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

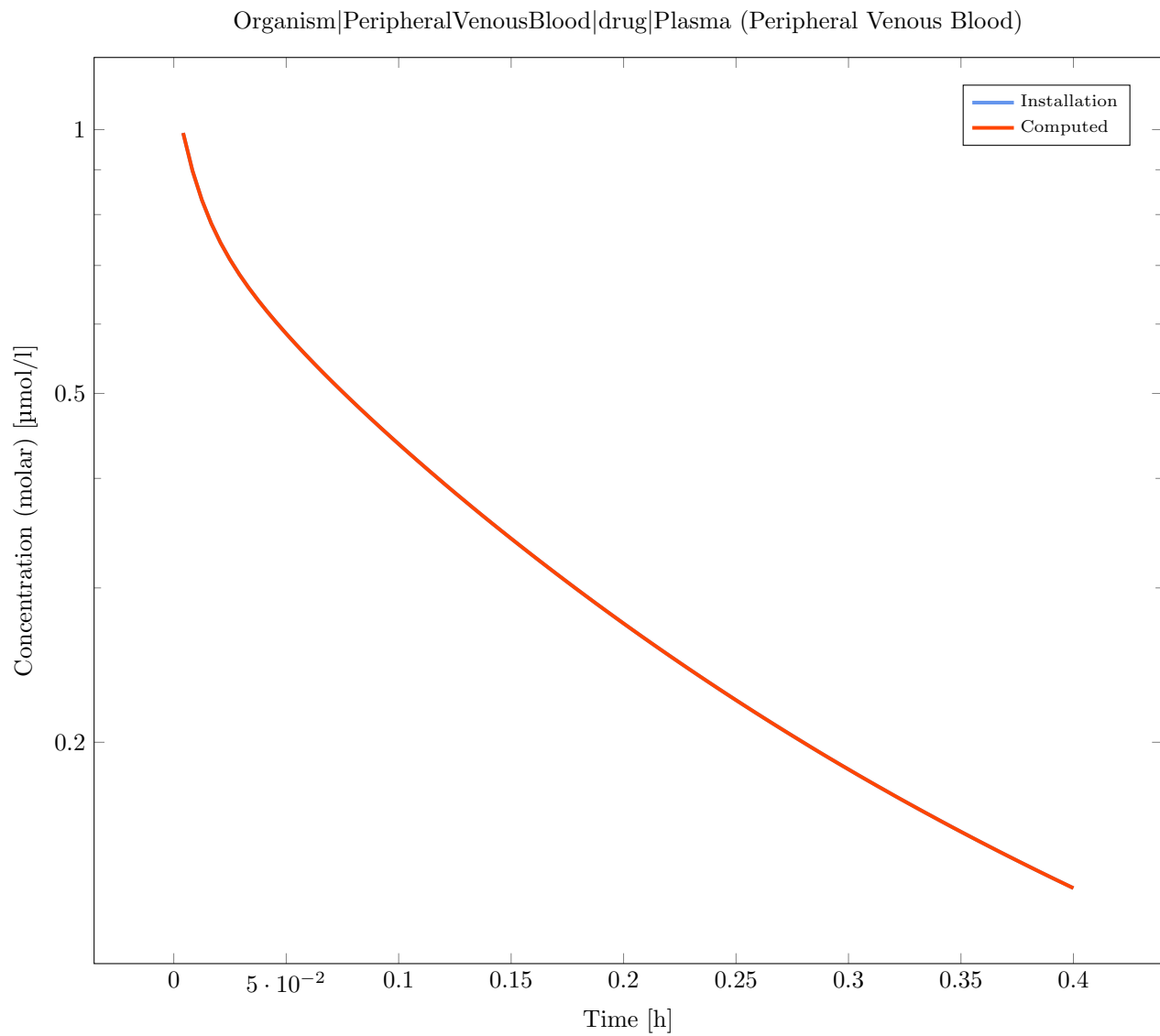


Figure 1.199

**Simulation:** SingleIV\_2Pores\_Mouse-SingleIV\_2Pores\_Mouse\_SimulationE

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|drug|Plasma (Peripheral Venous Blood)

Deviation: 0

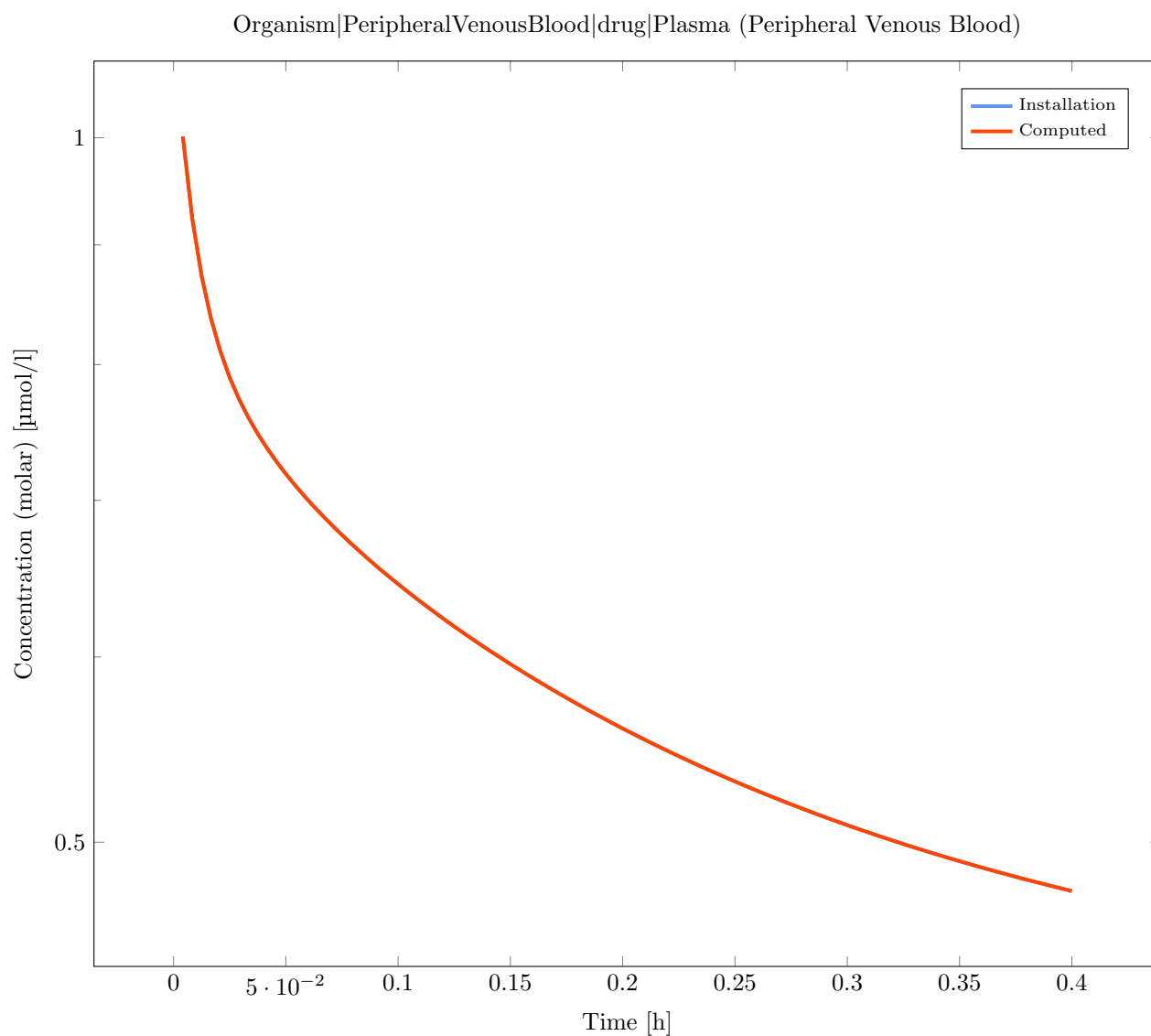


Figure 1.200

**Simulation:** SingleIV\_C1\_4Comp\_standard\_standard\_standard-SingleIV\_C1\_4Comp\_standard\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 0

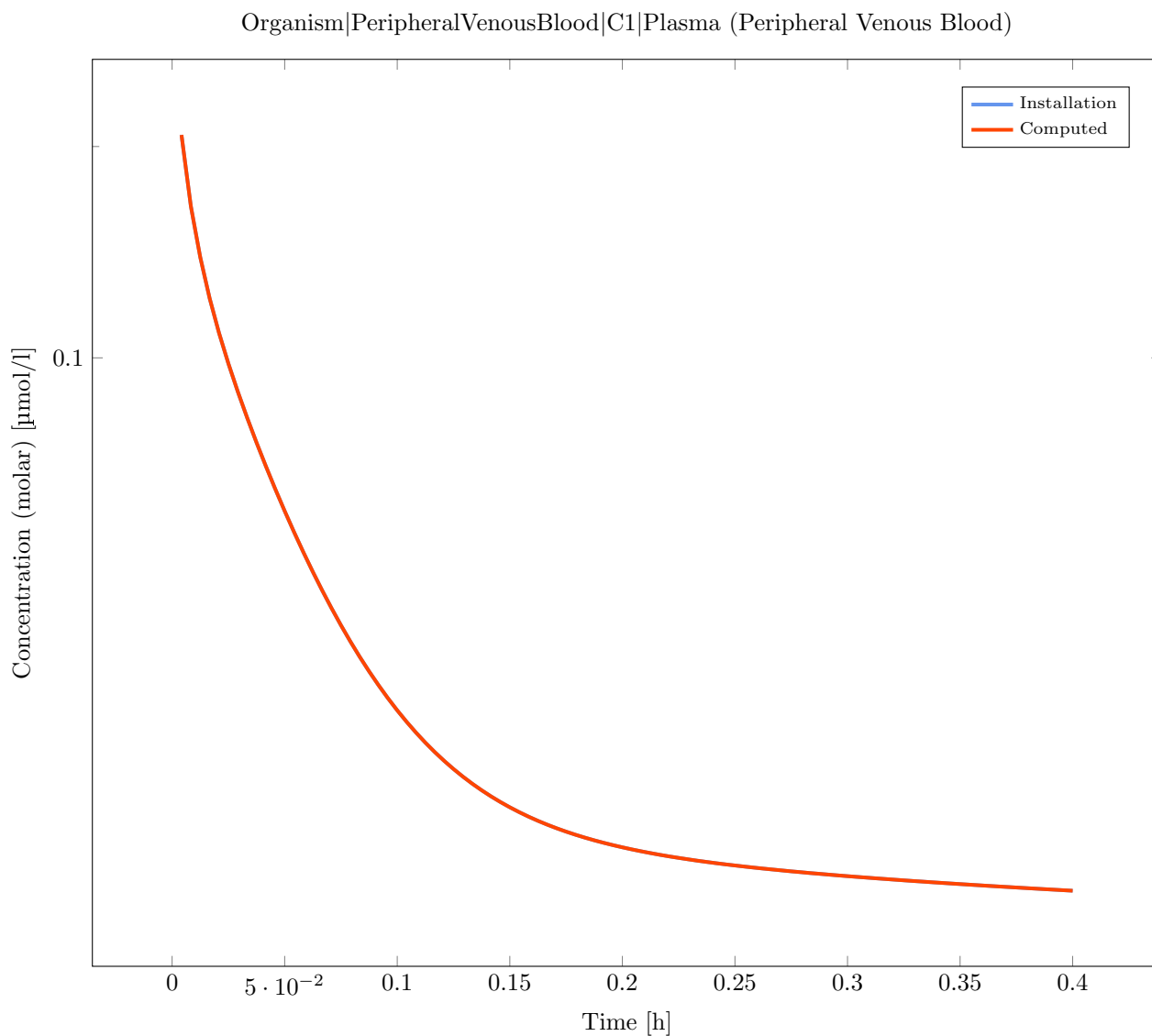


Figure 1.201

**Simulation:** SingleIV\_C2\_4Comp\_PT\_standard\_standard-SingleIV\_C2\_4Comp\_PT\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 0

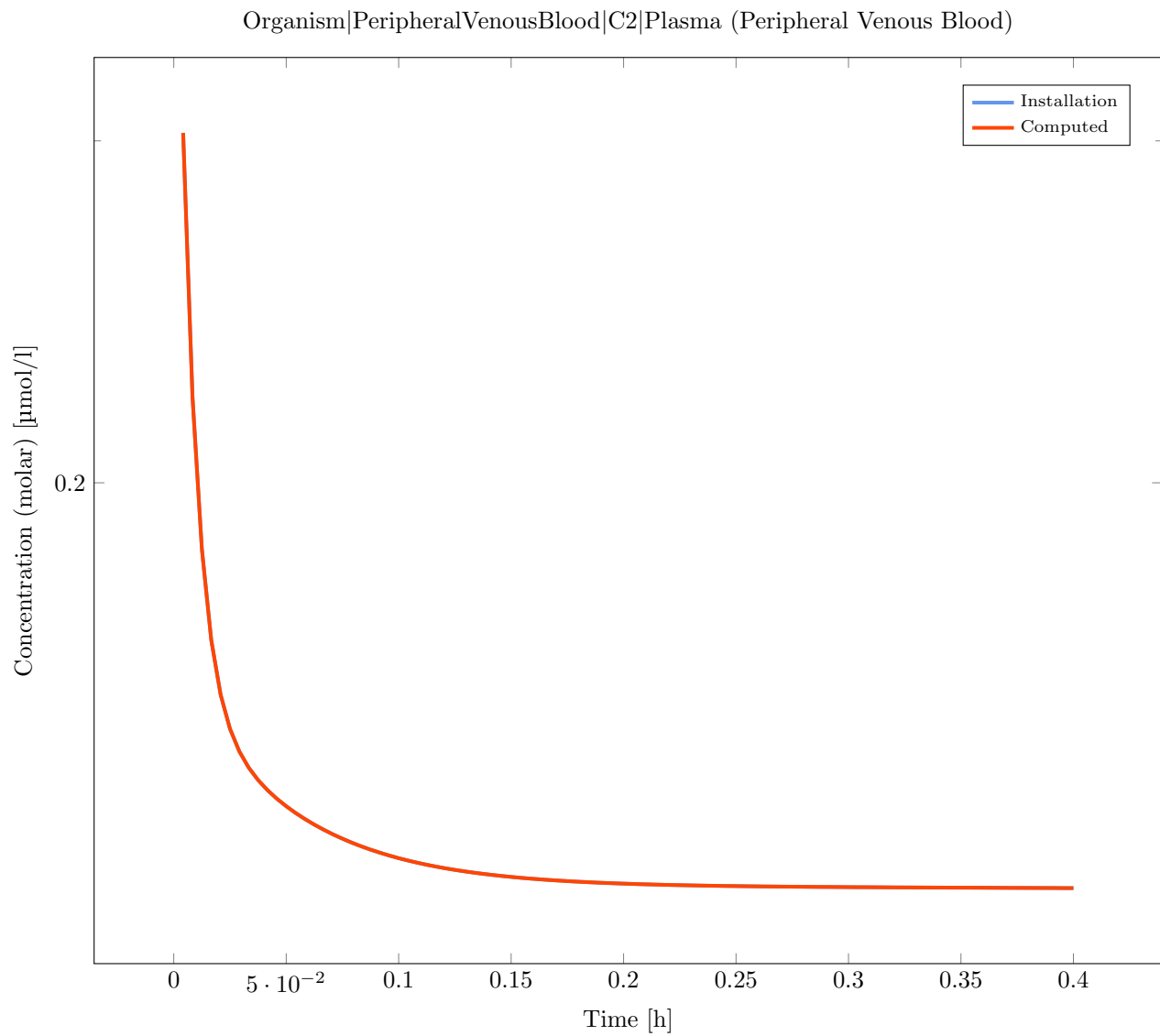


Figure 1.202

**Simulation:** SingleIV\_C2\_4Comp\_RR\_standard\_standard-SingleIV\_C2\_4Comp\_RR\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 0

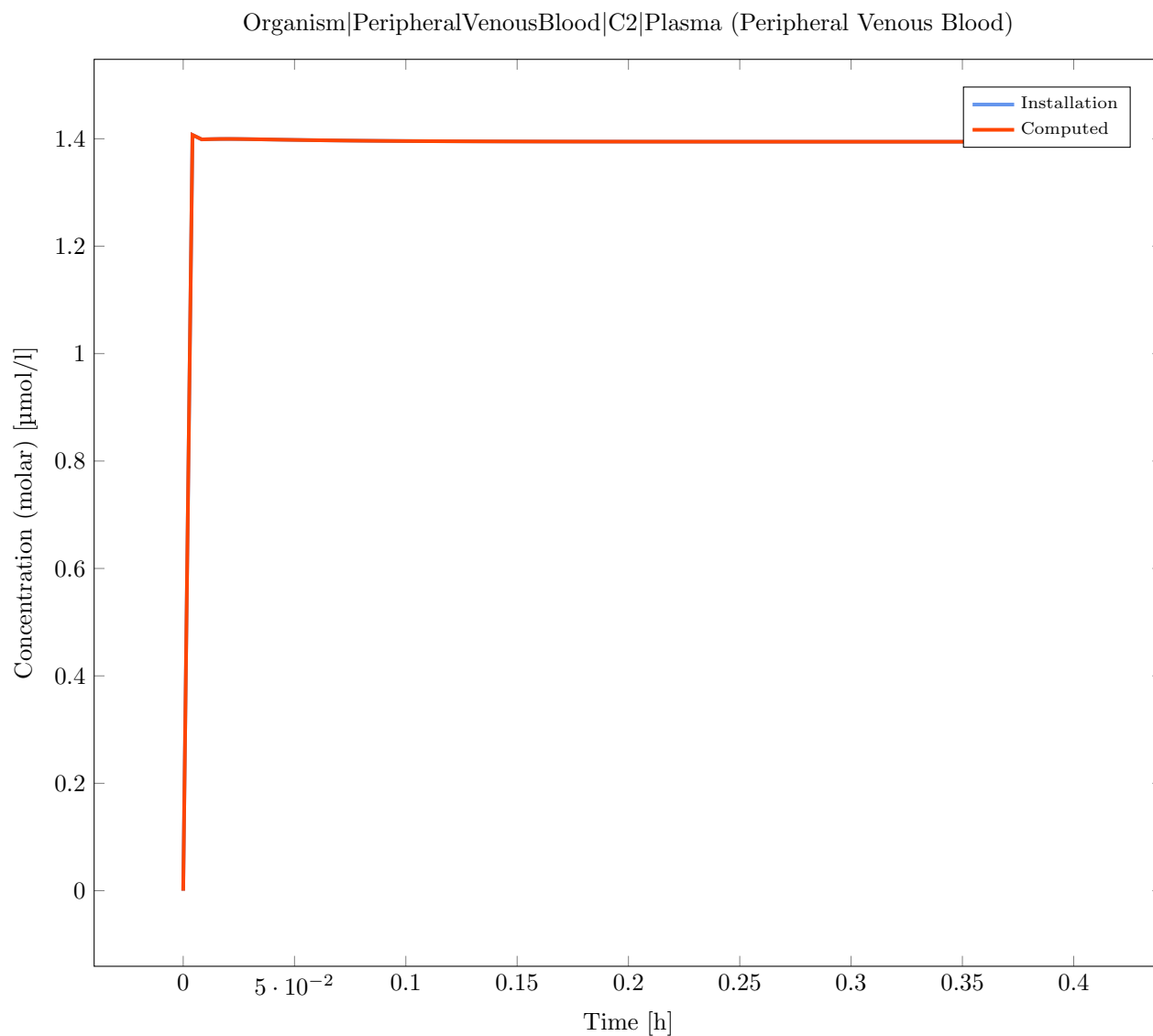


Figure 1.203

**Simulation:** SingleIV\_C2\_4Comp\_standard\_schmitt\_standard-SingleIV\_C2\_4Comp\_standard\_schmitt\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 0

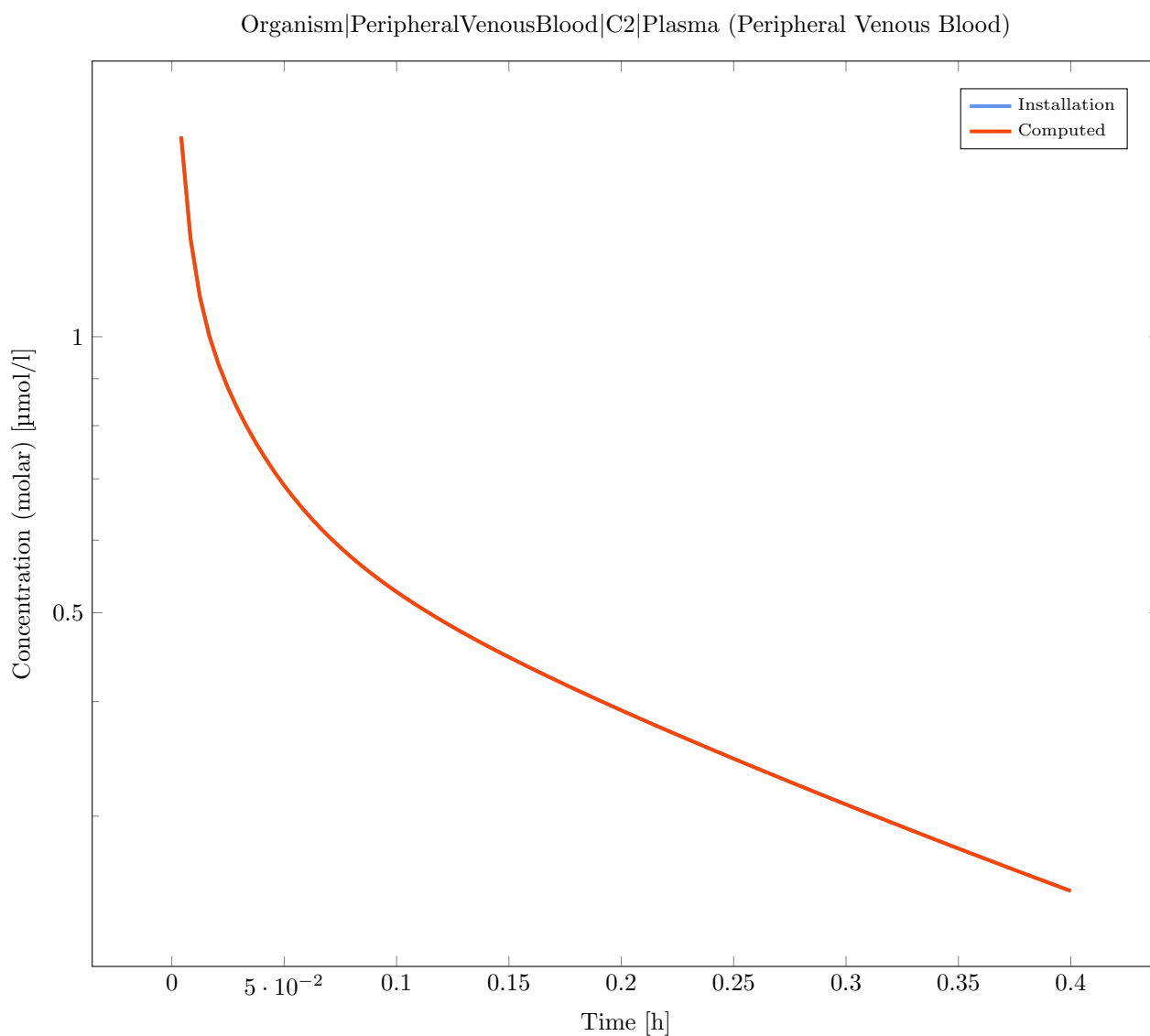


Figure 1.204

**Simulation:** SingleIV\_C3\_4Comp\_RR\_schmitt\_standard-SingleIV\_C3\_4Comp\_RR\_schmitt\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C3|Plasma (Peripheral Venous Blood)

Deviation: 0



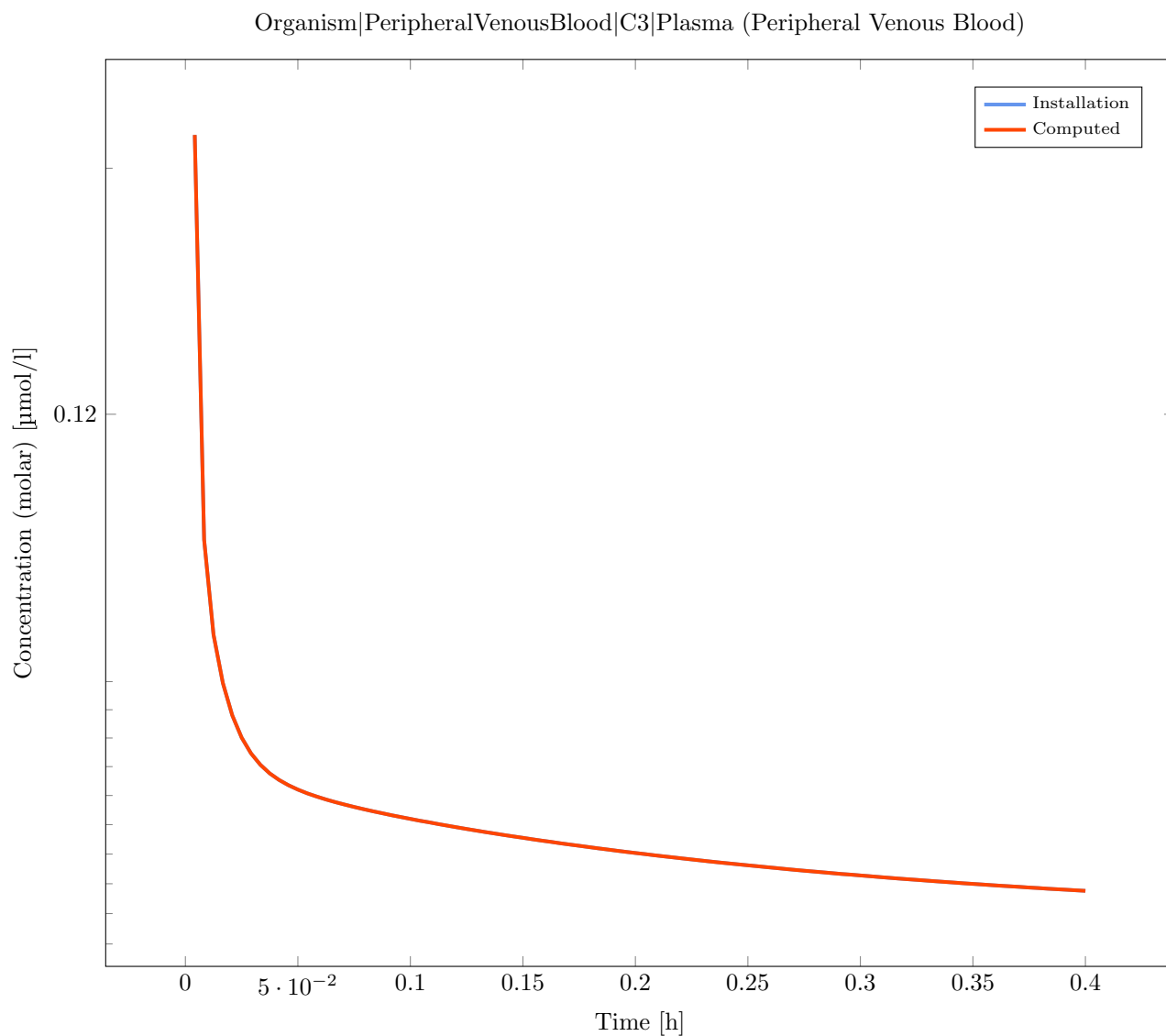


Figure 1.205

**Simulation:** SingleIV\_C3\_4Comp\_standard\_schmittnormalized\_standard-SingleIV\_C3\_4Comp\_standard\_schmittnormalized\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C3|Plasma (Peripheral Venous Blood)

Deviation: 0

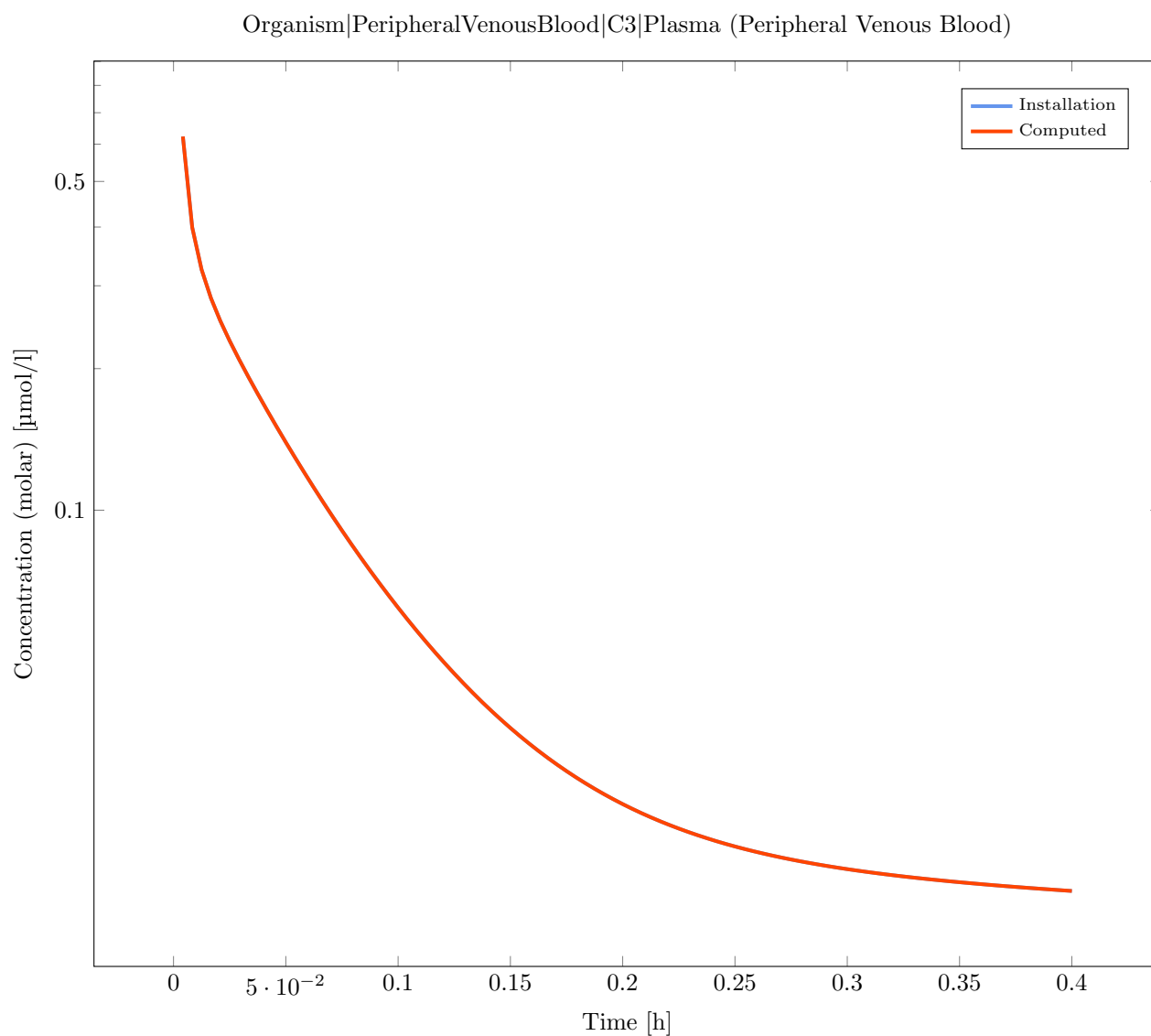


Figure 1.206

**Simulation:** SingleIV\_C4\_2Pores\_RR\_standard\_standard-SingleIV\_C4\_2Pores\_RR\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C4|Plasma (Peripheral Venous Blood)

Deviation: 0

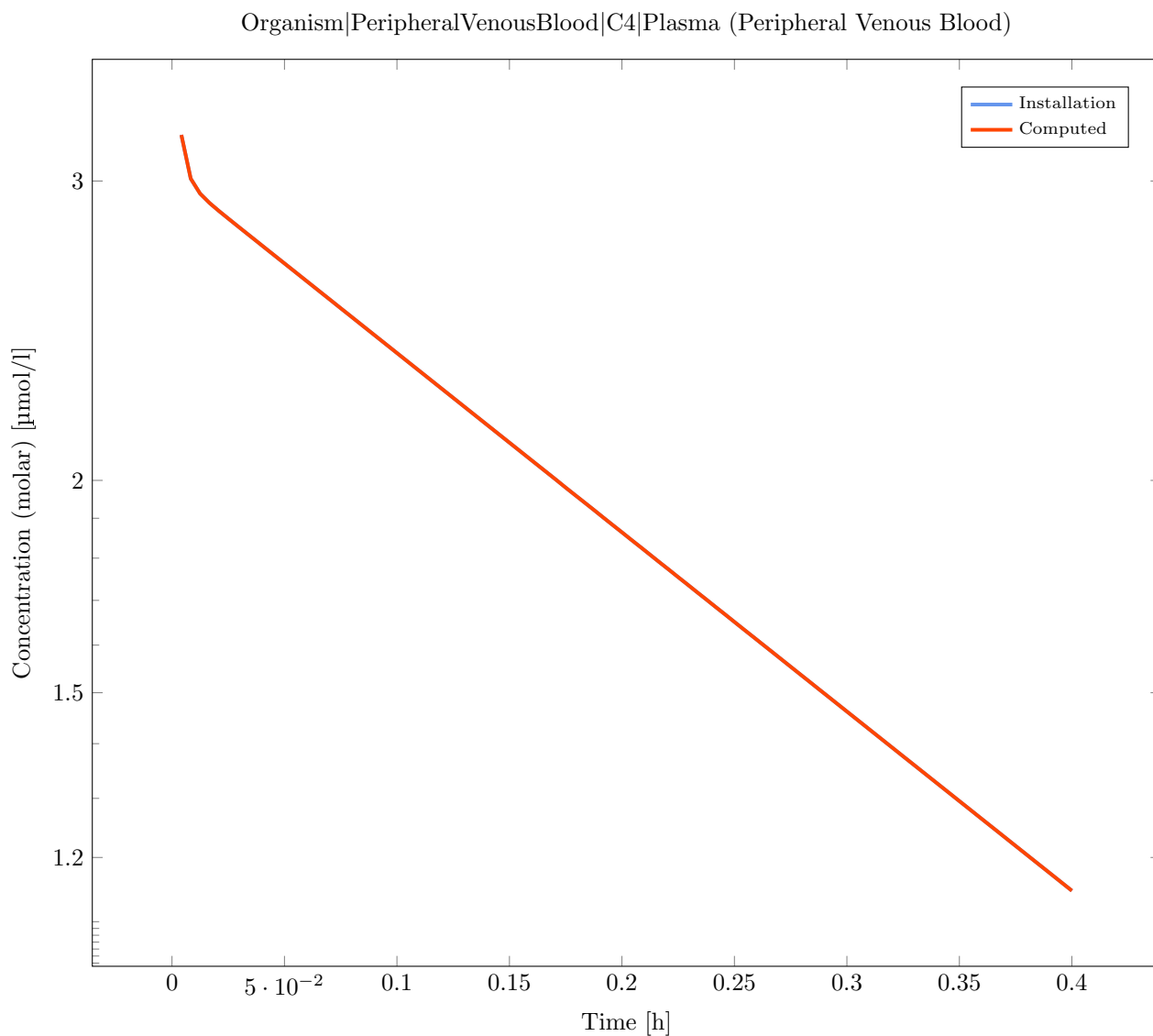


Figure 1.207

**Simulation:** SingleIV\_C4\_4Comp\_Ber\_standard\_standard-SingleIV\_C4\_4Comp\_Ber\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C4|Plasma (Peripheral Venous Blood)

Deviation: 0

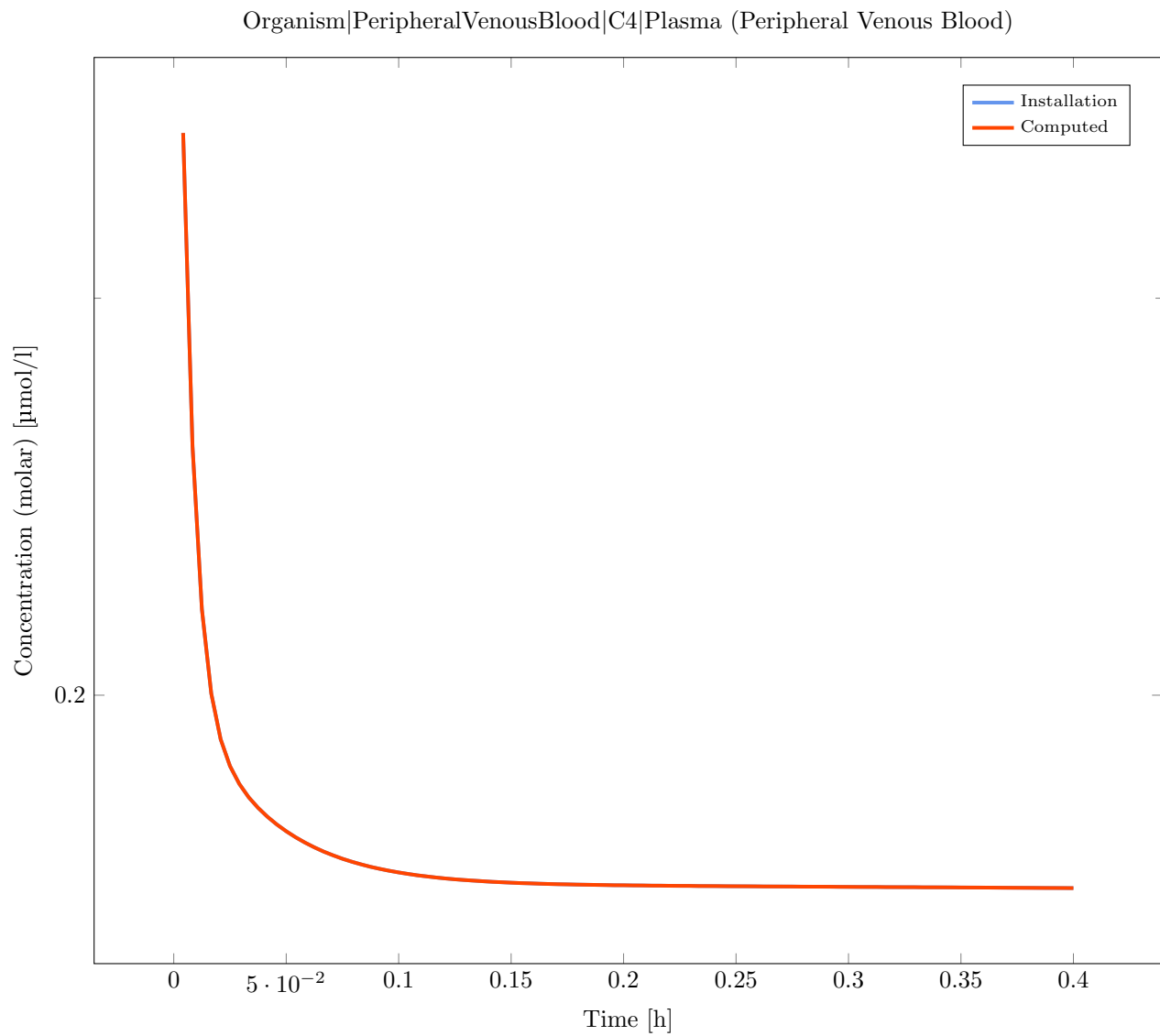


Figure 1.208

**Simulation:** SingleIV\_C5\_2Pores\_Ber\_standard\_standard-SingleIV\_C5\_2Pores\_Ber\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C5|Plasma (Peripheral Venous Blood)

Deviation: 0

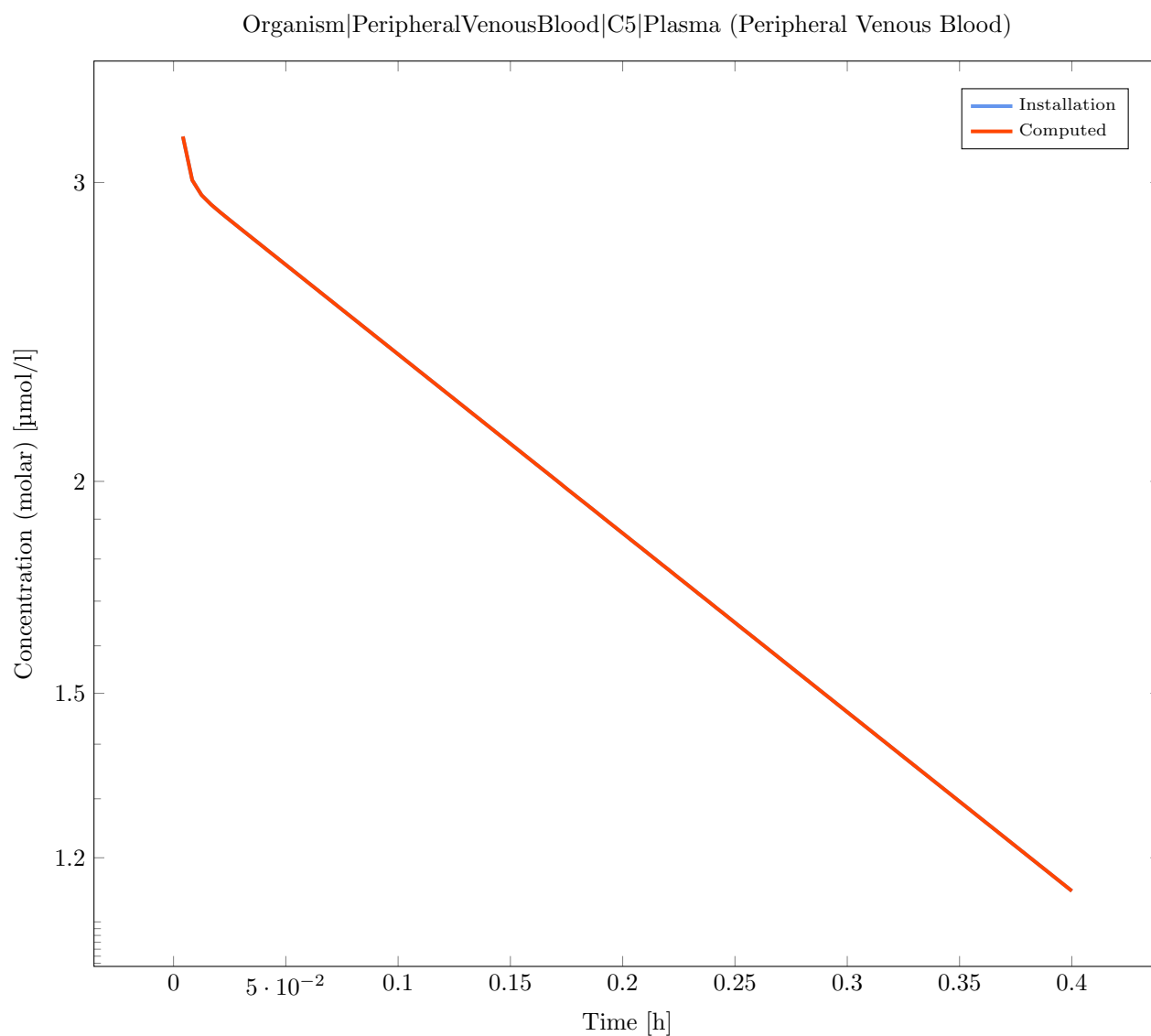


Figure 1.209

**Simulation:** SingleIV\_C5\_2Pores\_PT\_standard\_standard-SingleIV\_C5\_2Pores\_PT\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C5|Plasma (Peripheral Venous Blood)

Deviation: 0

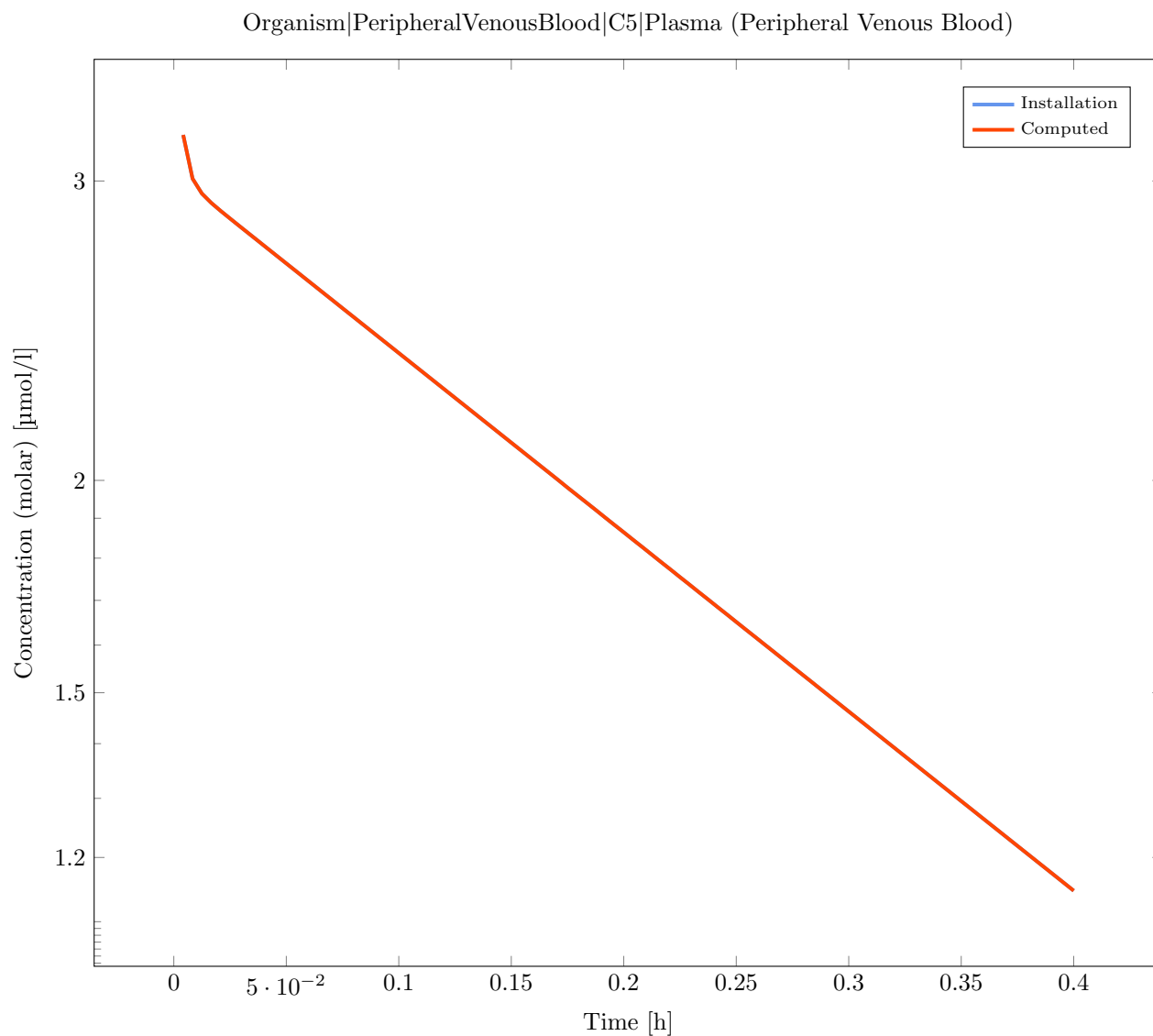


Figure 1.210

**Simulation:** SingleIV\_C5\_2Pores\_RR\_schmitt\_standard-SingleIV\_C5\_2Pores\_RR\_schmitt\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C5|Plasma (Peripheral Venous Blood)

Deviation: 0

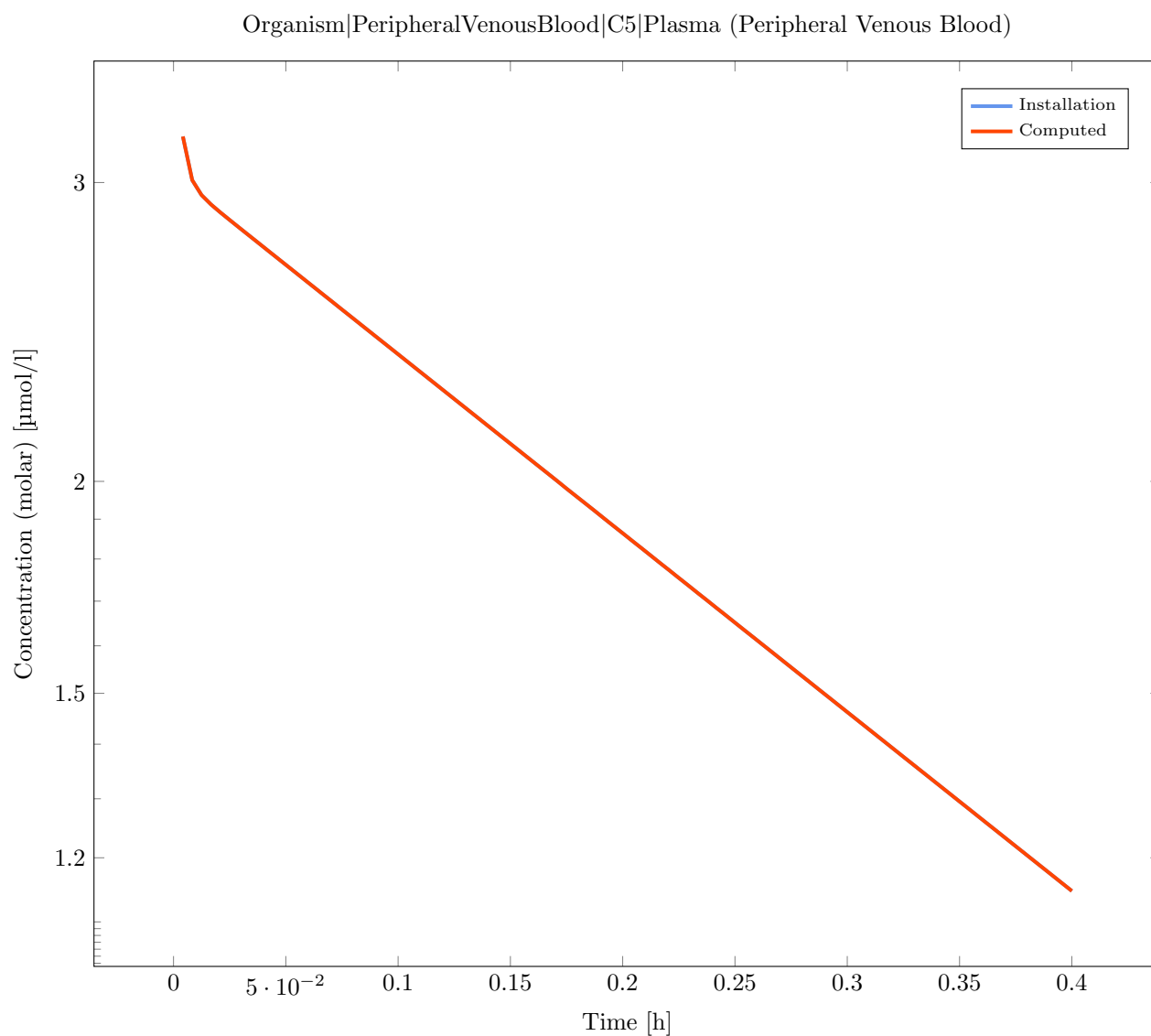


Figure 1.211

**Simulation:** SingleIV\_C6\_2Pores\_standard\_standard\_standard-SingleIV\_C6\_2Pores\_standard\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C6|Plasma (Peripheral Venous Blood)

Deviation: 0

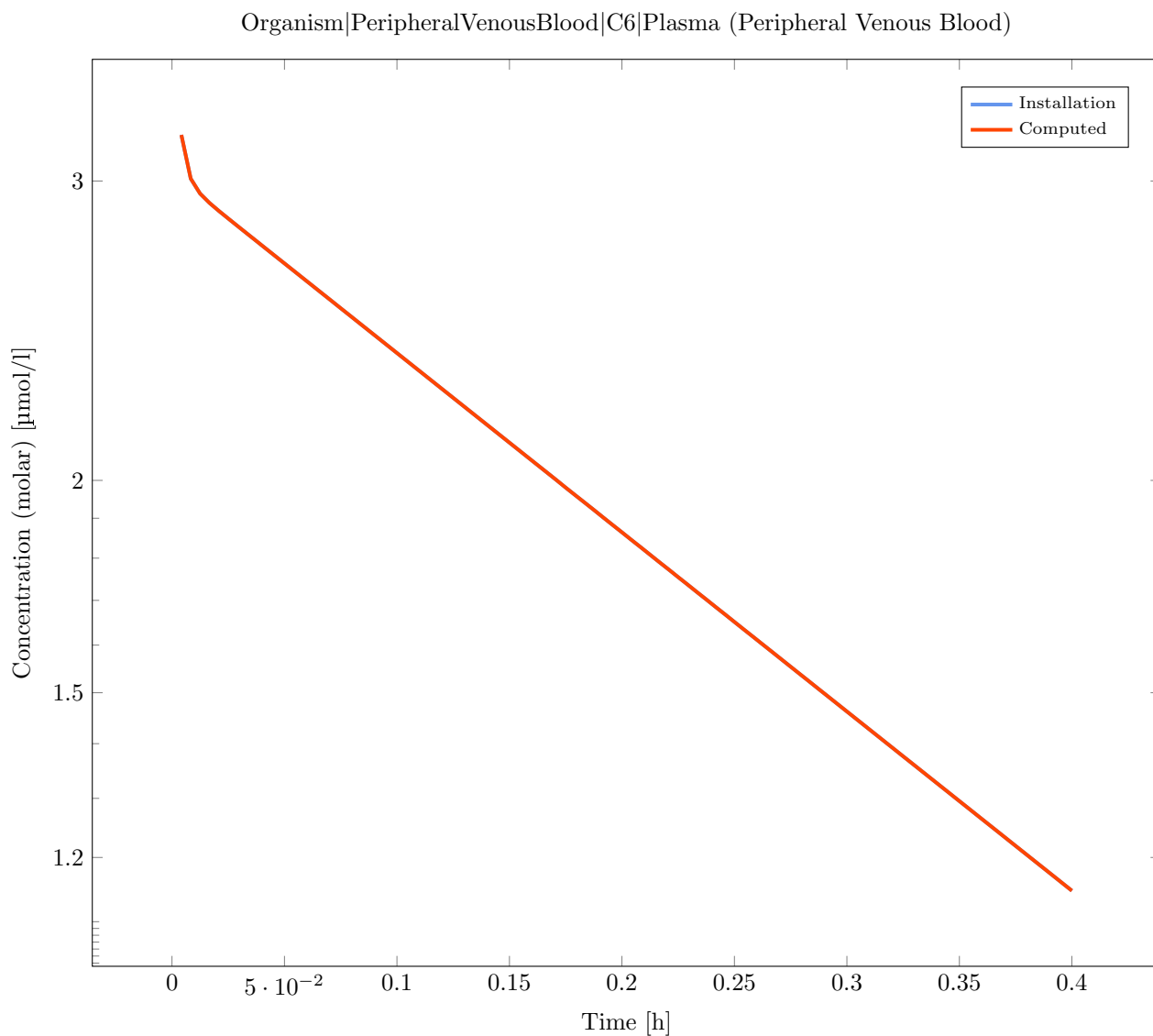


Figure 1.212

**Simulation:** SingleIV\_C7\_2Pores\_standard\_schmitt\_standard-SingleIV\_C7\_2Pores\_standard\_schmitt\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C7|Plasma (Peripheral Venous Blood)

Deviation: 0



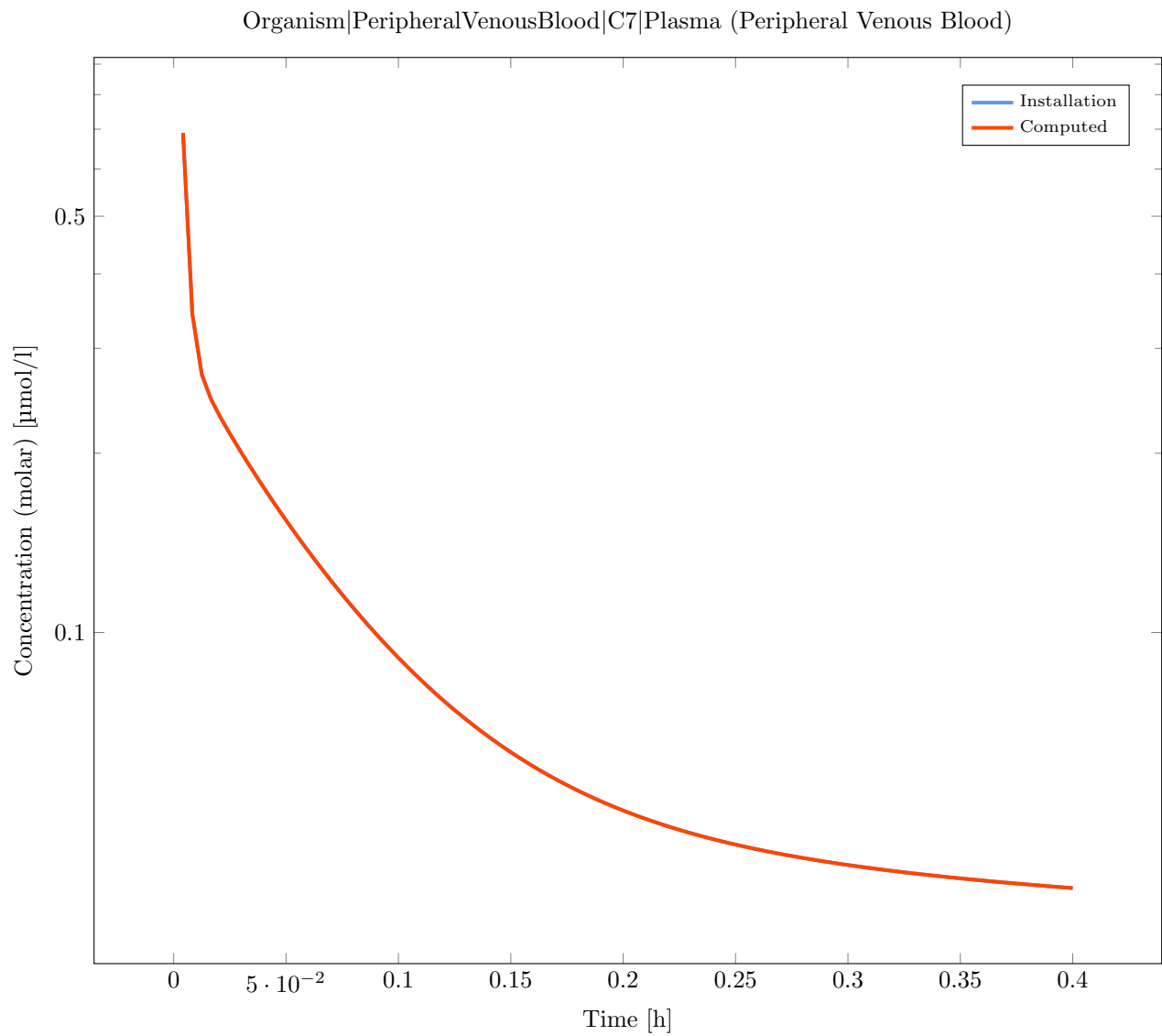


Figure 1.213

**Simulation:** SingleIV\_C7\_4Comp\_schmitt\_standard\_standard-SingleIV\_C7\_4Comp\_schmitt\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C7|Plasma (Peripheral Venous Blood)

Deviation: 0

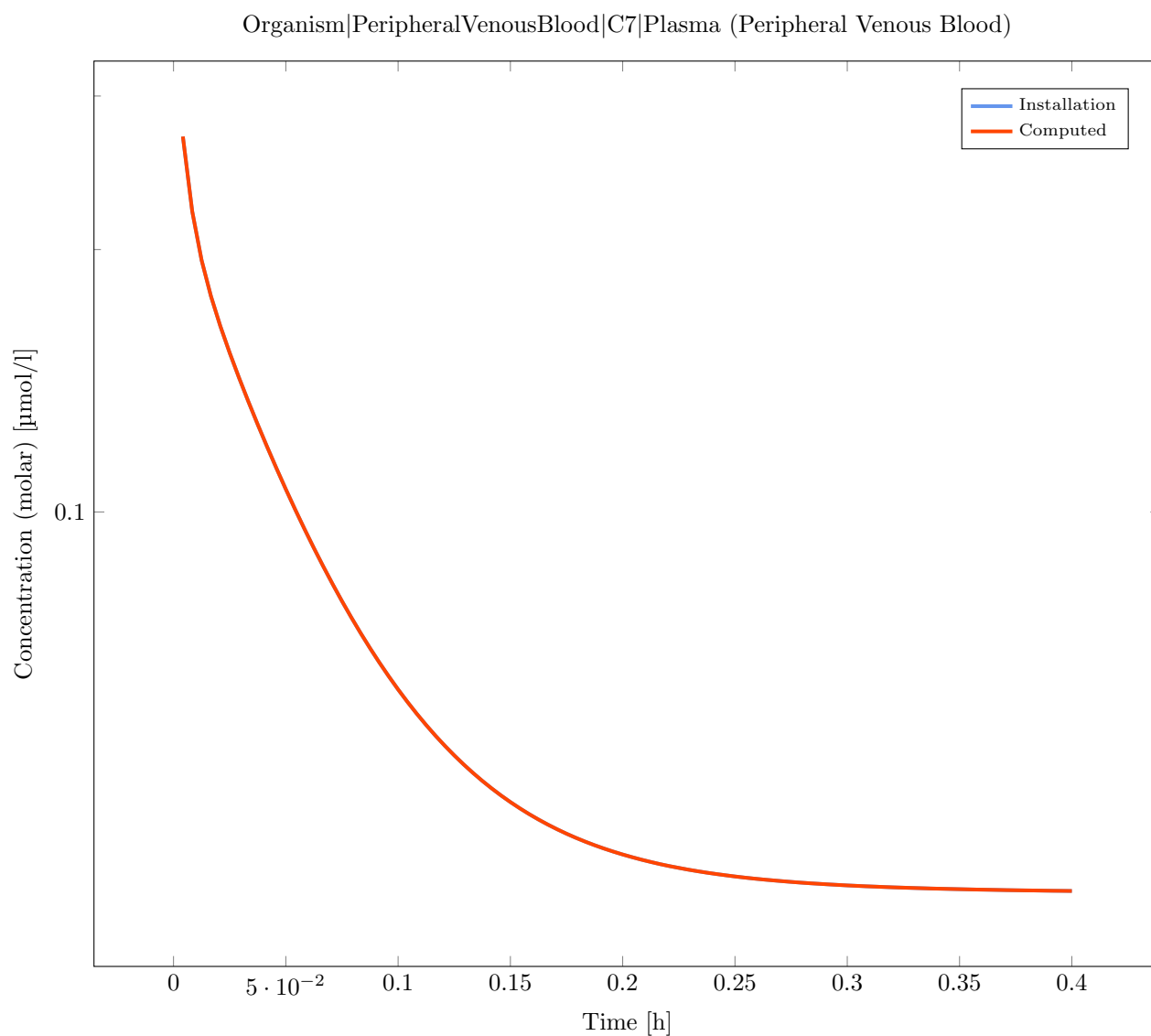


Figure 1.214

**Simulation:** SingleIV\_C8\_2Pores\_standard\_schmittnormalized\_standard-SingleIV\_C8\_2Pores\_standard\_schmittnormalized\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C8|Plasma (Peripheral Venous Blood)

Deviation: 0

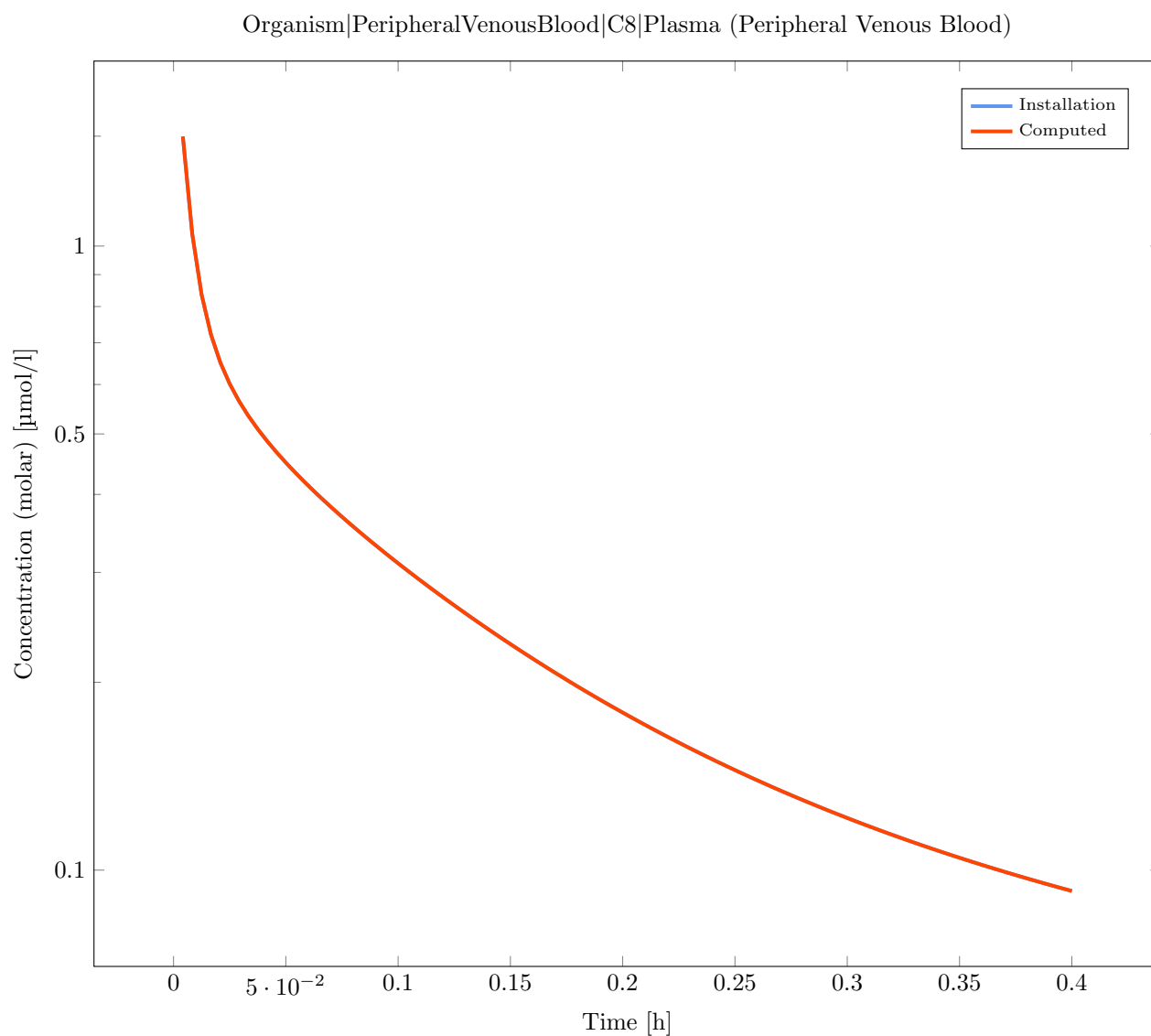


Figure 1.215

**Simulation:** SingleIV\_C9\_2Pores\_schmitt\_standard\_standard-SingleIV\_C9\_2Pores\_schmitt\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C9|Plasma (Peripheral Venous Blood)

Deviation: 0

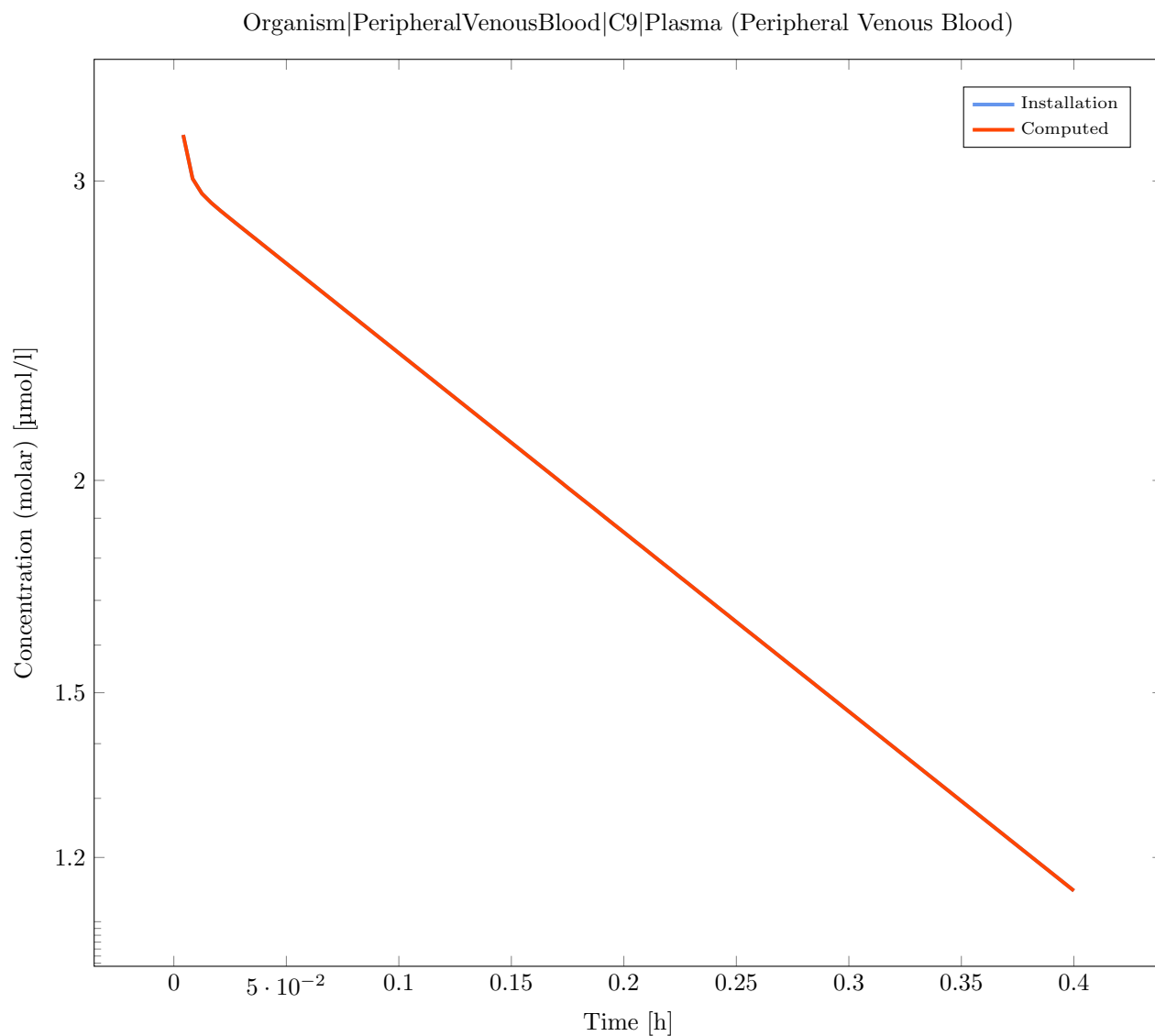


Figure 1.216

**Simulation:** SingleORAL\_C10\_4Comp\_PT\_standard\_standard-SingleORAL\_C10\_4Comp\_PT\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C10|Plasma (Peripheral Venous Blood)

Deviation: 0

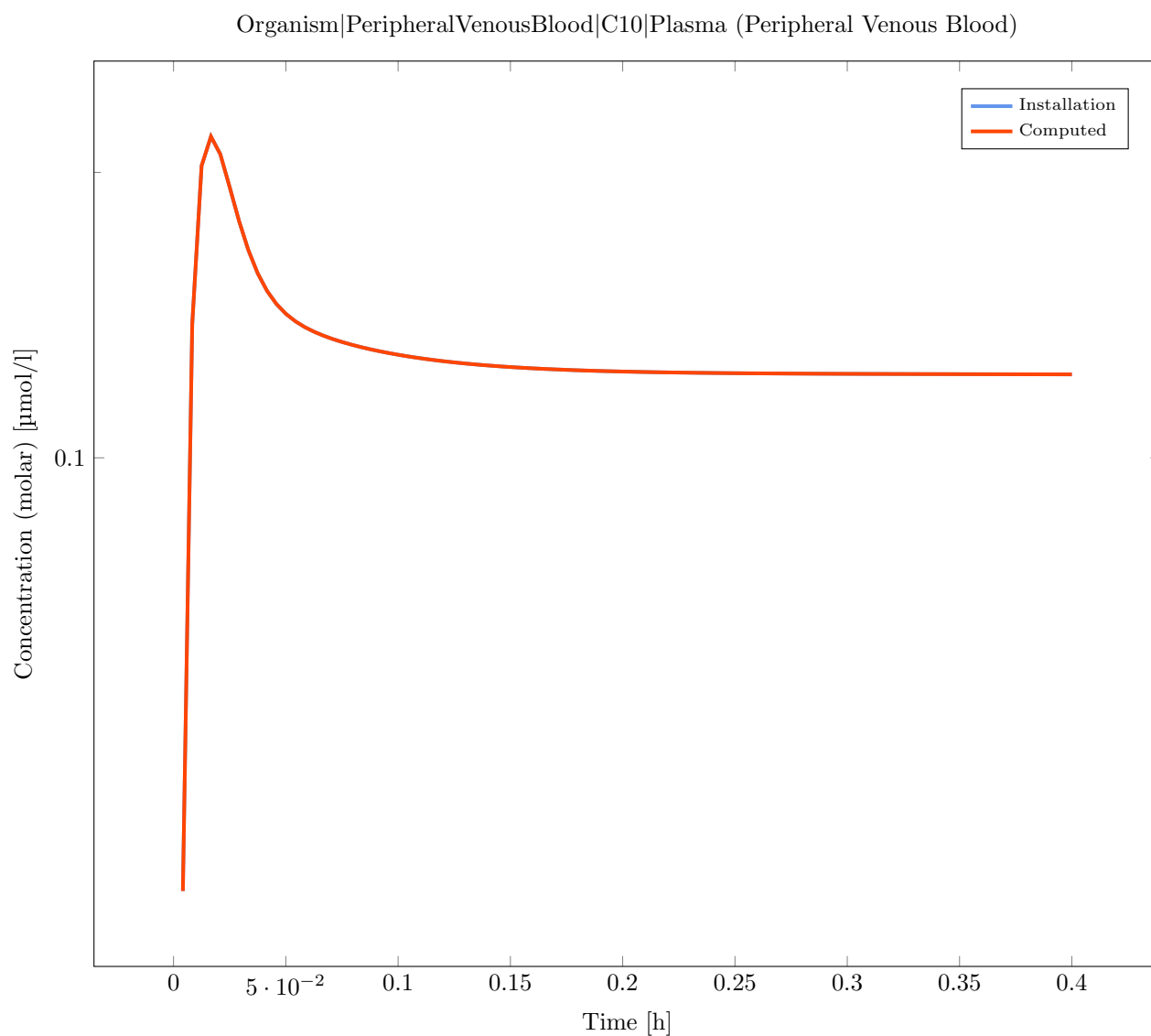


Figure 1.217

**Simulation:** SingleORAL\_C11\_4Comp\_schmitt\_standard\_standard-SingleORAL\_C11\_4Comp\_schmitt\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C11|Plasma (Peripheral Venous Blood)

Deviation: 0

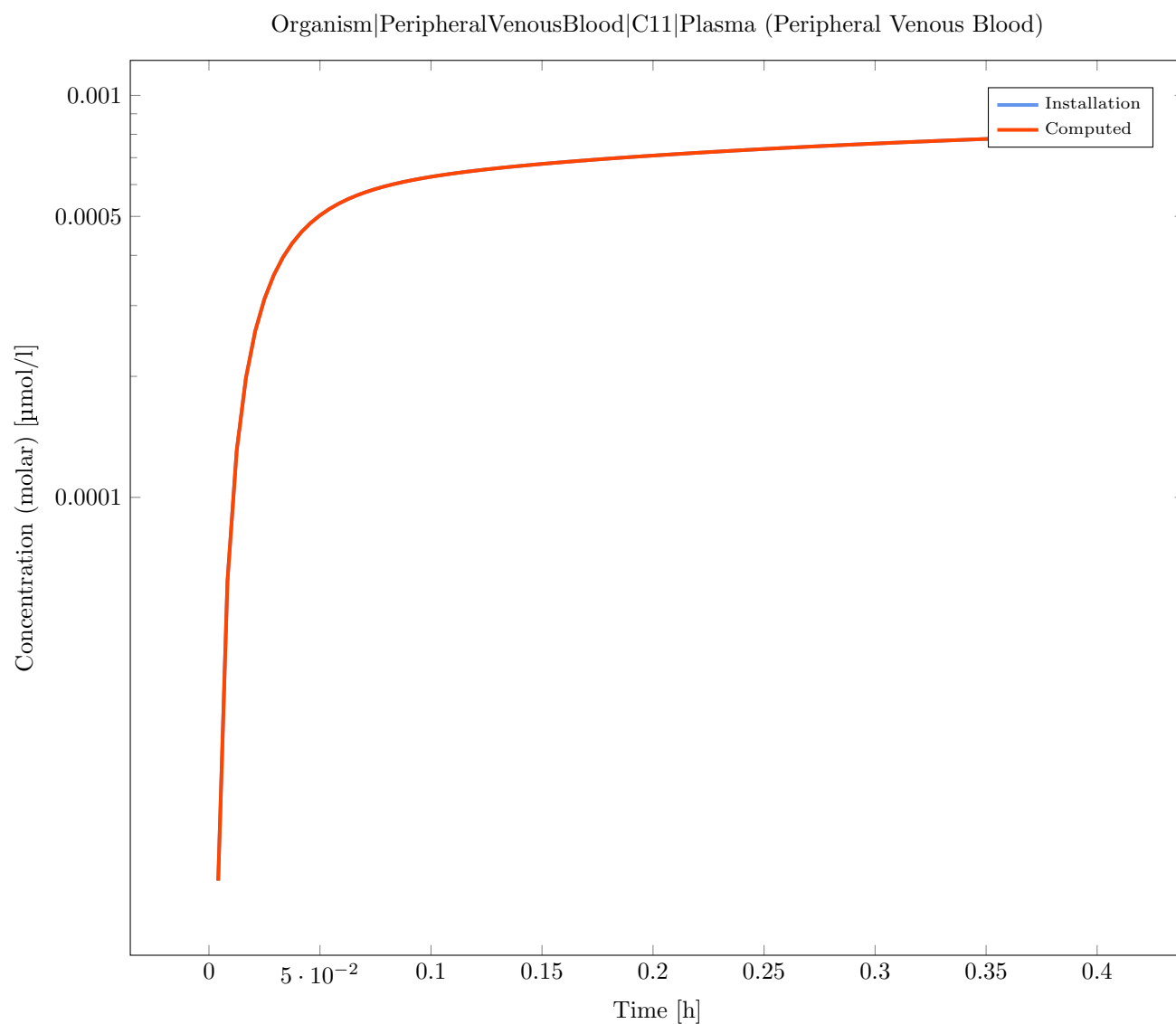


Figure 1.218

**Simulation:** SingleORAL\_C11\_4Comp\_standard\_standard\_standard-SingleORAL\_C11\_4Comp\_standard\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C11|Plasma (Peripheral Venous Blood)

Deviation: 0

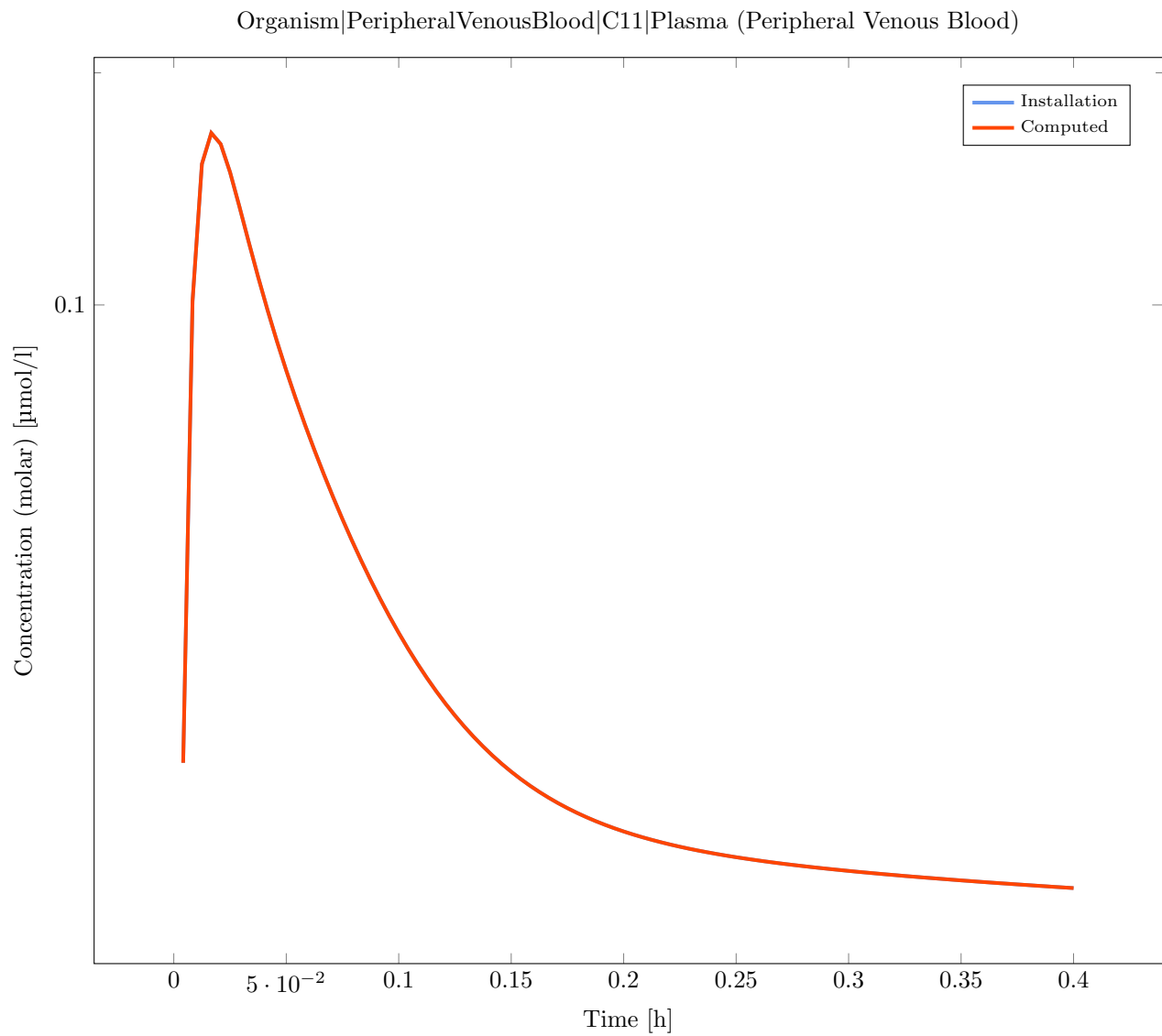


Figure 1.219

**Simulation:** SingleORAL\_C12\_4Comp\_standard\_schmitt\_standard-SingleORAL\_C12\_4Comp\_standard\_schmitt\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C12|Plasma (Peripheral Venous Blood)

Deviation: 0

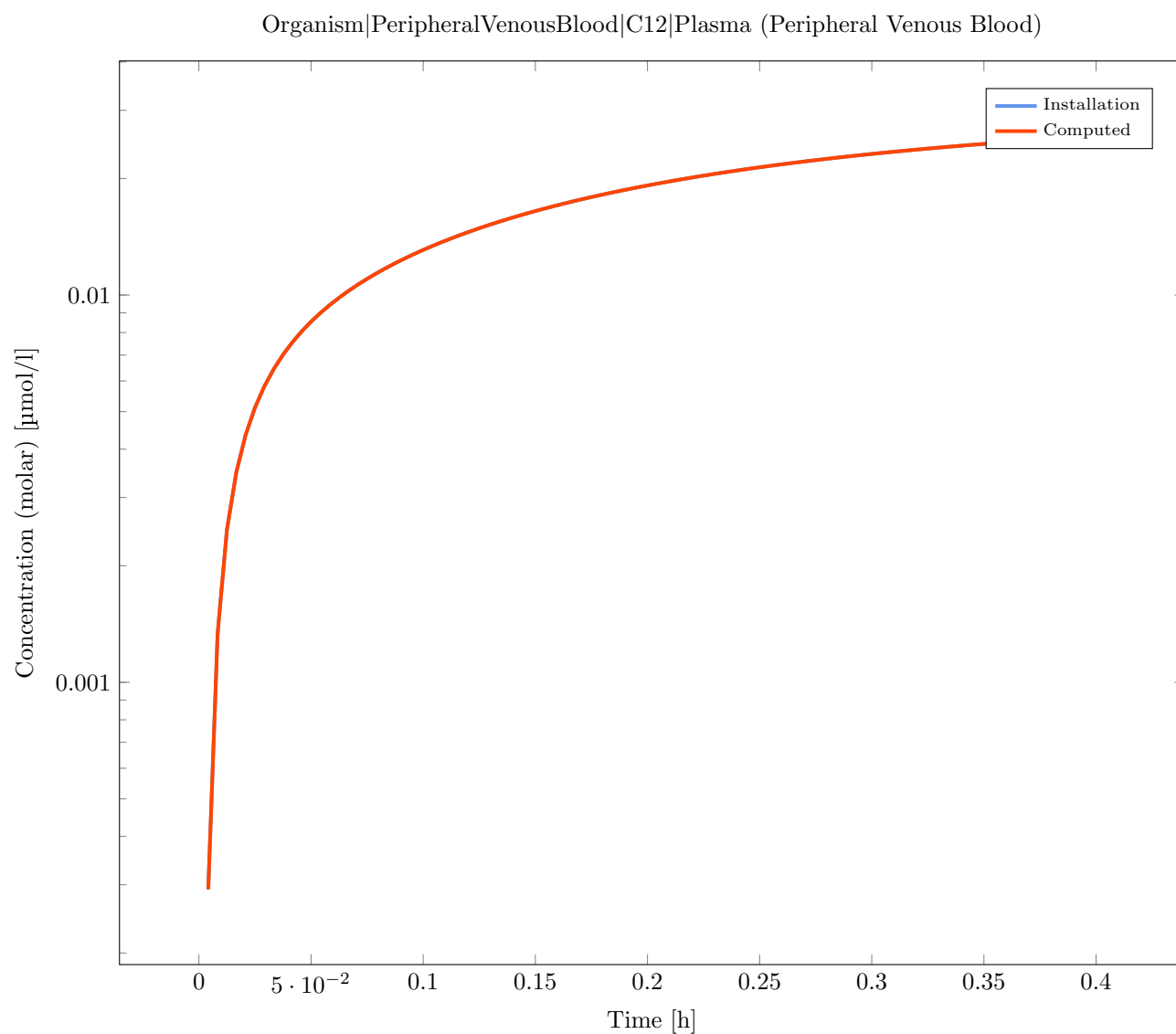


Figure 1.220

**Simulation:** SingleORAL\_C13\_2Pores\_schmitt\_standard\_standard-SingleORAL\_C13\_2Pores\_schmitt\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C13|Plasma (Peripheral Venous Blood)

Deviation: 0



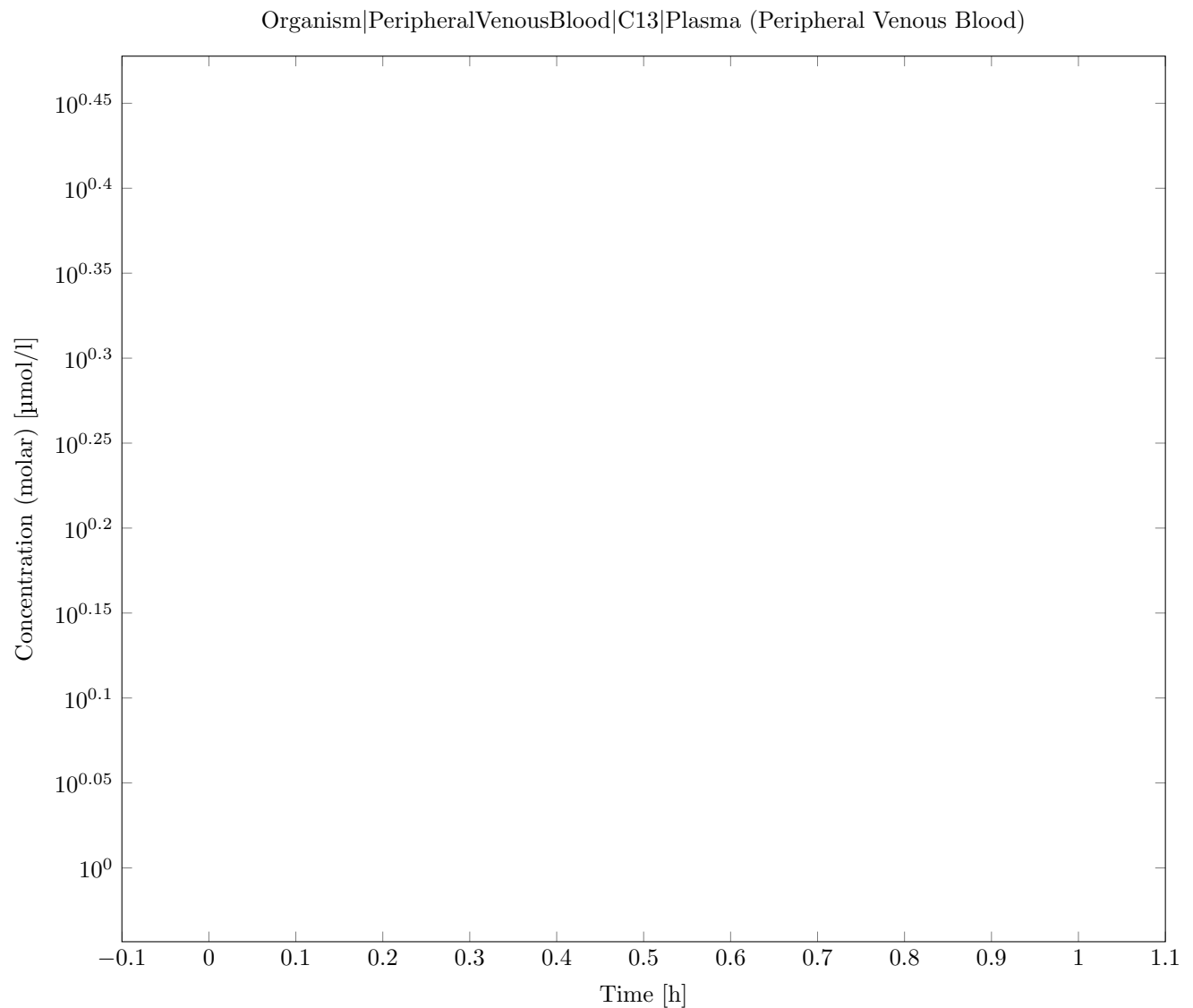


Figure 1.221

**Simulation:** SingleORAL\_C13\_4Comp\_standard\_schmittnormalized\_standard-SingleORAL\_C13\_4Comp\_standard\_schmittnormalized\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C13|Plasma (Peripheral Venous Blood)

Deviation: 0

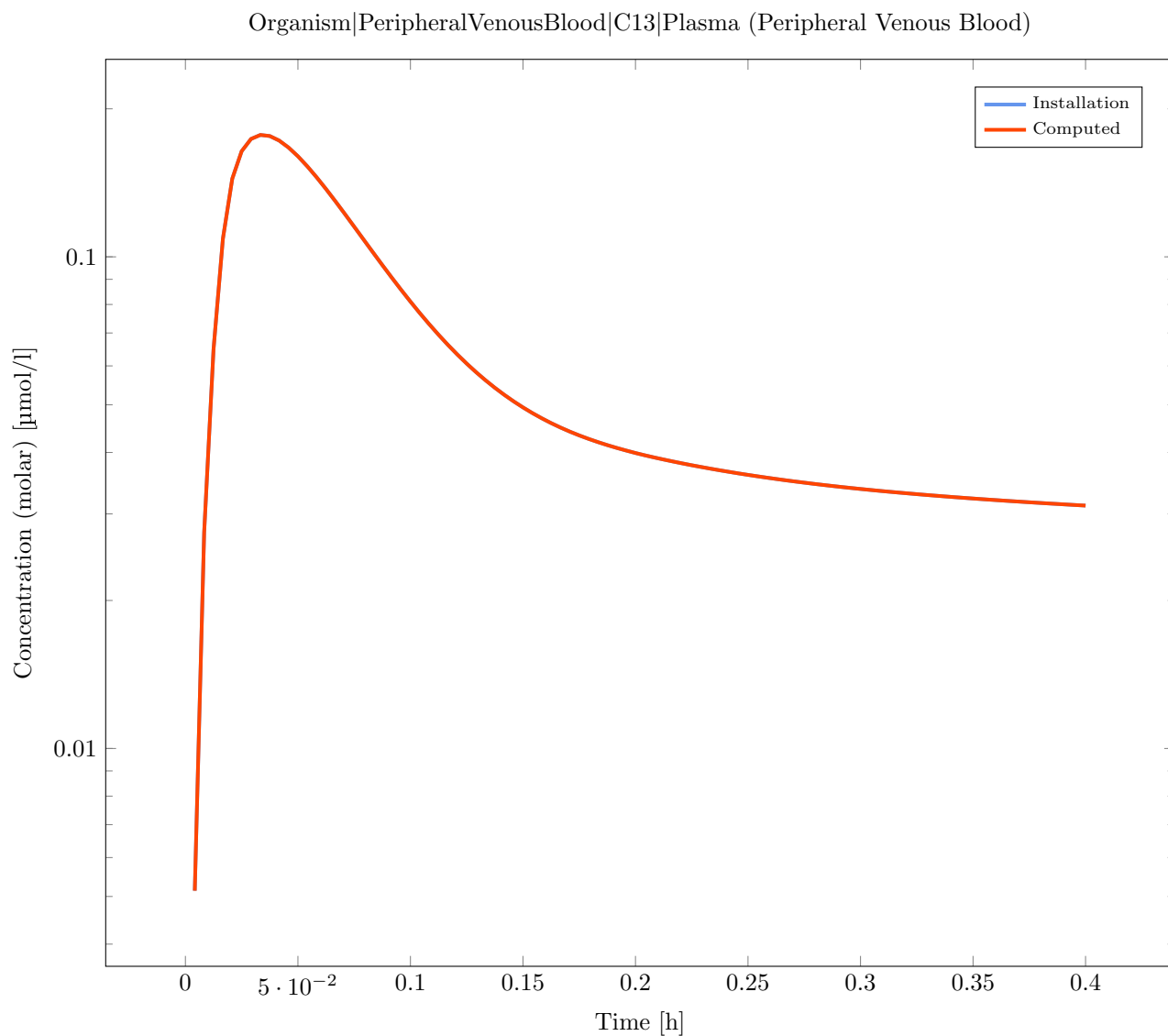


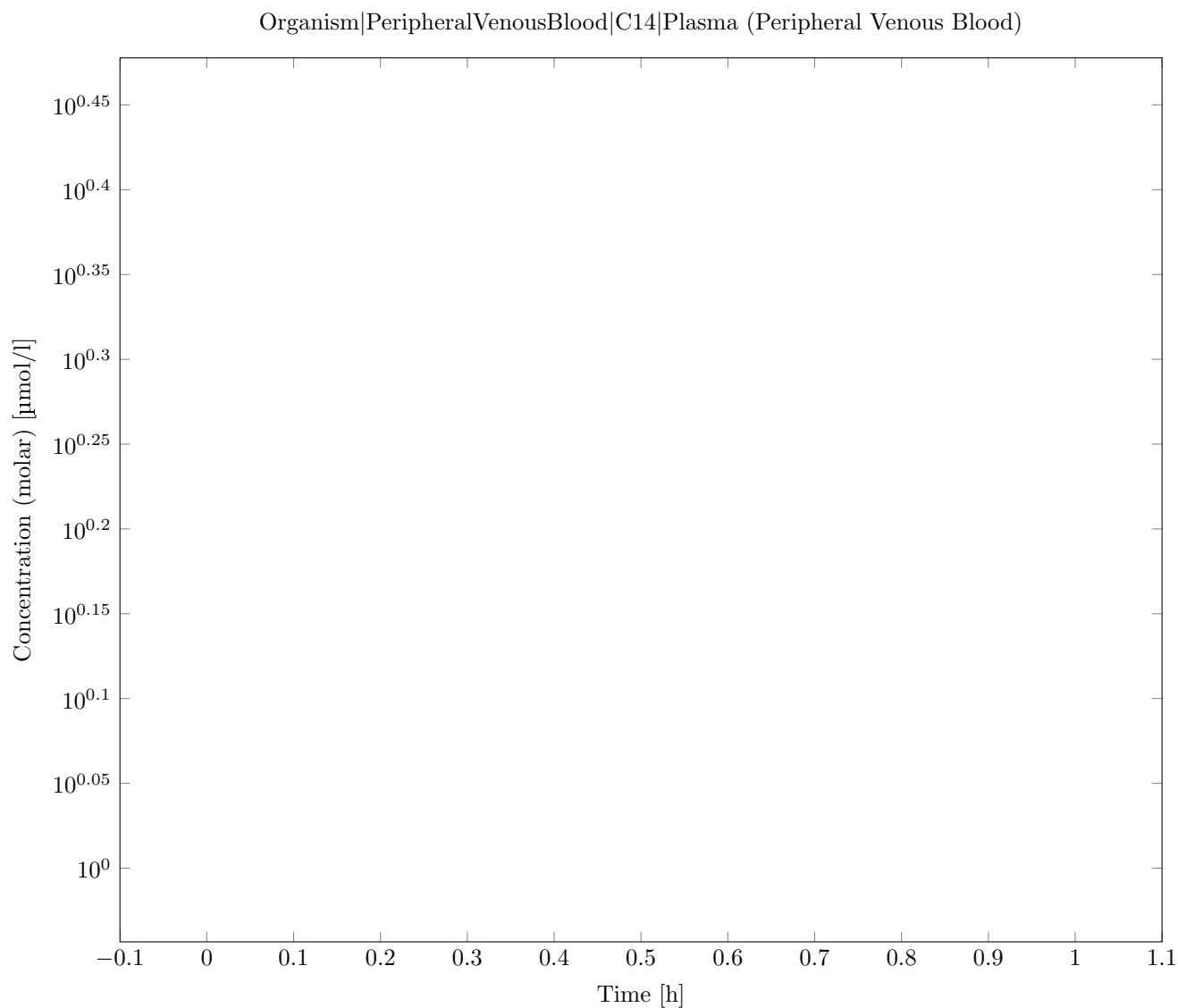
Figure 1.222

**Simulation:** SingleORAL\_C14\_2Pores\_PT\_standard\_standard-SingleORAL\_C14\_2Pores\_PT\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C14|Plasma (Peripheral Venous Blood)

Deviation: 0

**Figure 1.223**

**Simulation:** SingleORAL\_C2\_2Pores\_standard\_standard\_standard-SingleORAL\_C2\_2Pores\_standard\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C2|Plasma (Peripheral Venous Blood)

Deviation: 0

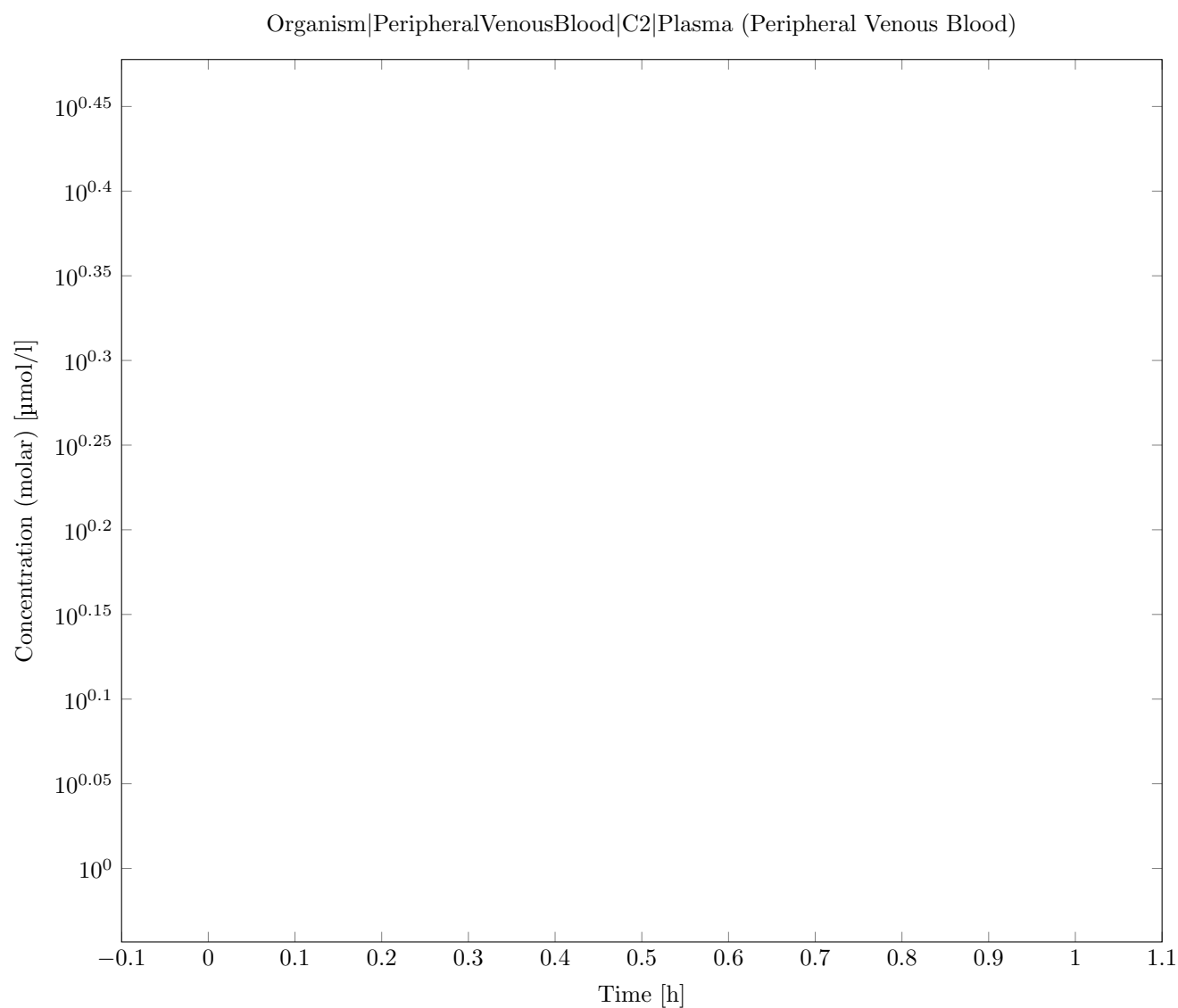


Figure 1.224

**Simulation:** SingleORAL\_C3\_2Pores\_standard\_schmitt\_standard-SingleORAL\_C3\_2Pores\_standard\_schmitt\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C3|Plasma (Peripheral Venous Blood)

Deviation: 0

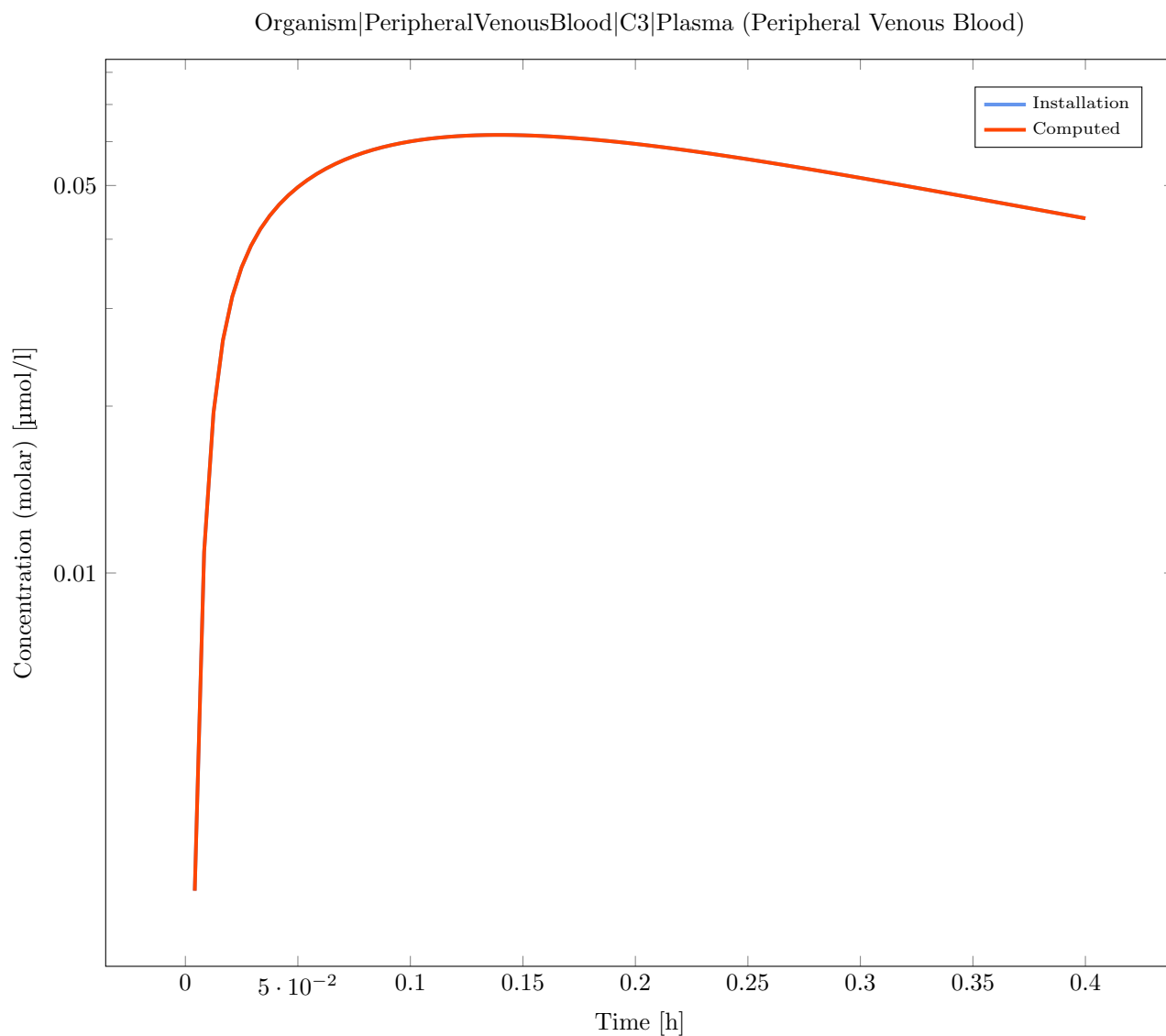


Figure 1.225

**Simulation:** SingleORAL\_C4\_2Pores\_standard\_schmittnormalized\_standard-SingleORAL\_C4\_2Pores\_standard\_schmittnormalized\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C4|Plasma (Peripheral Venous Blood)

Deviation: 0

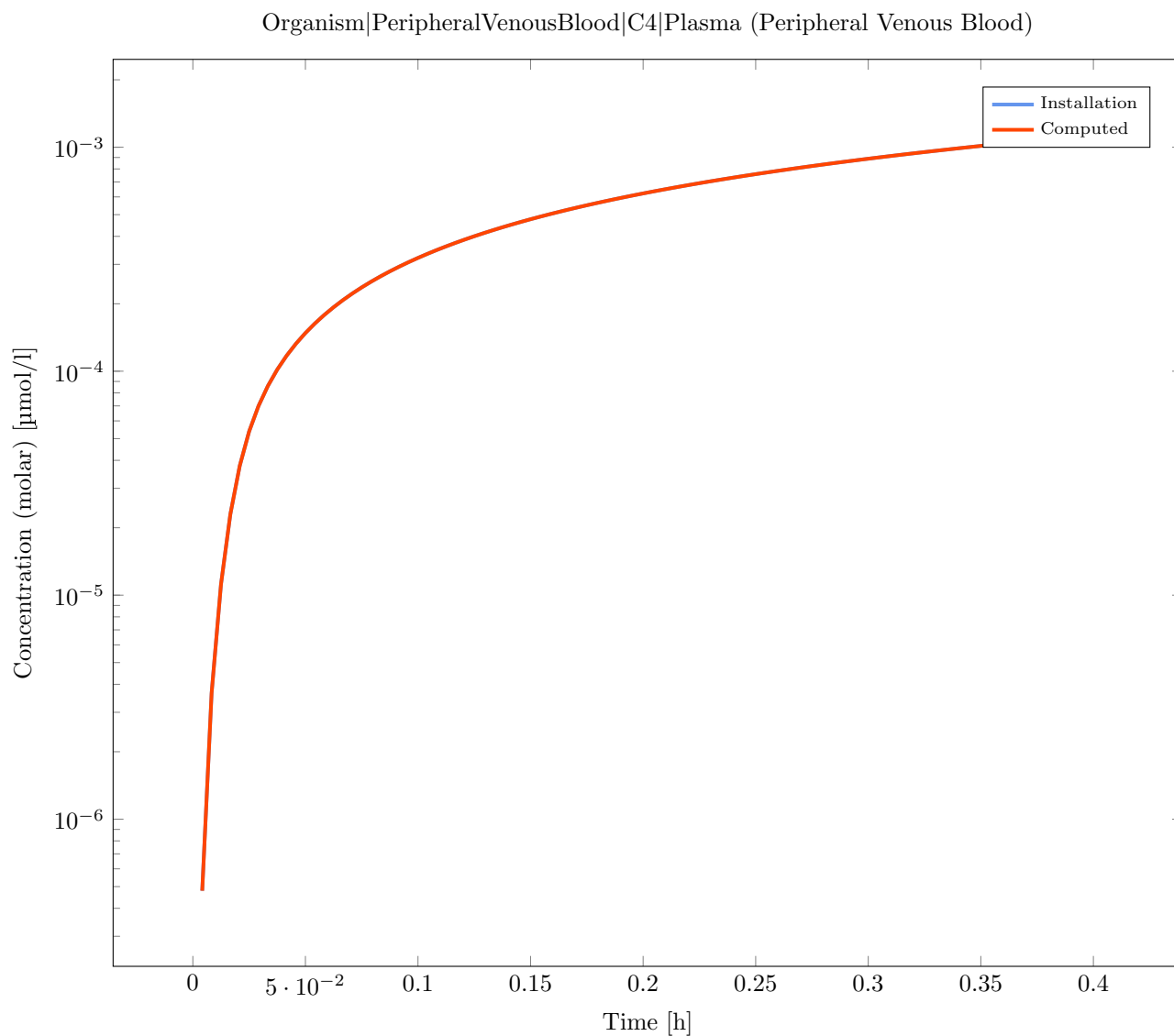


Figure 1.226

**Simulation:** SingleORAL\_C6\_4Comp\_Ber\_standard\_standard-SingleORAL\_C6\_4Comp\_Ber\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C6|Plasma (Peripheral Venous Blood)

Deviation: 0

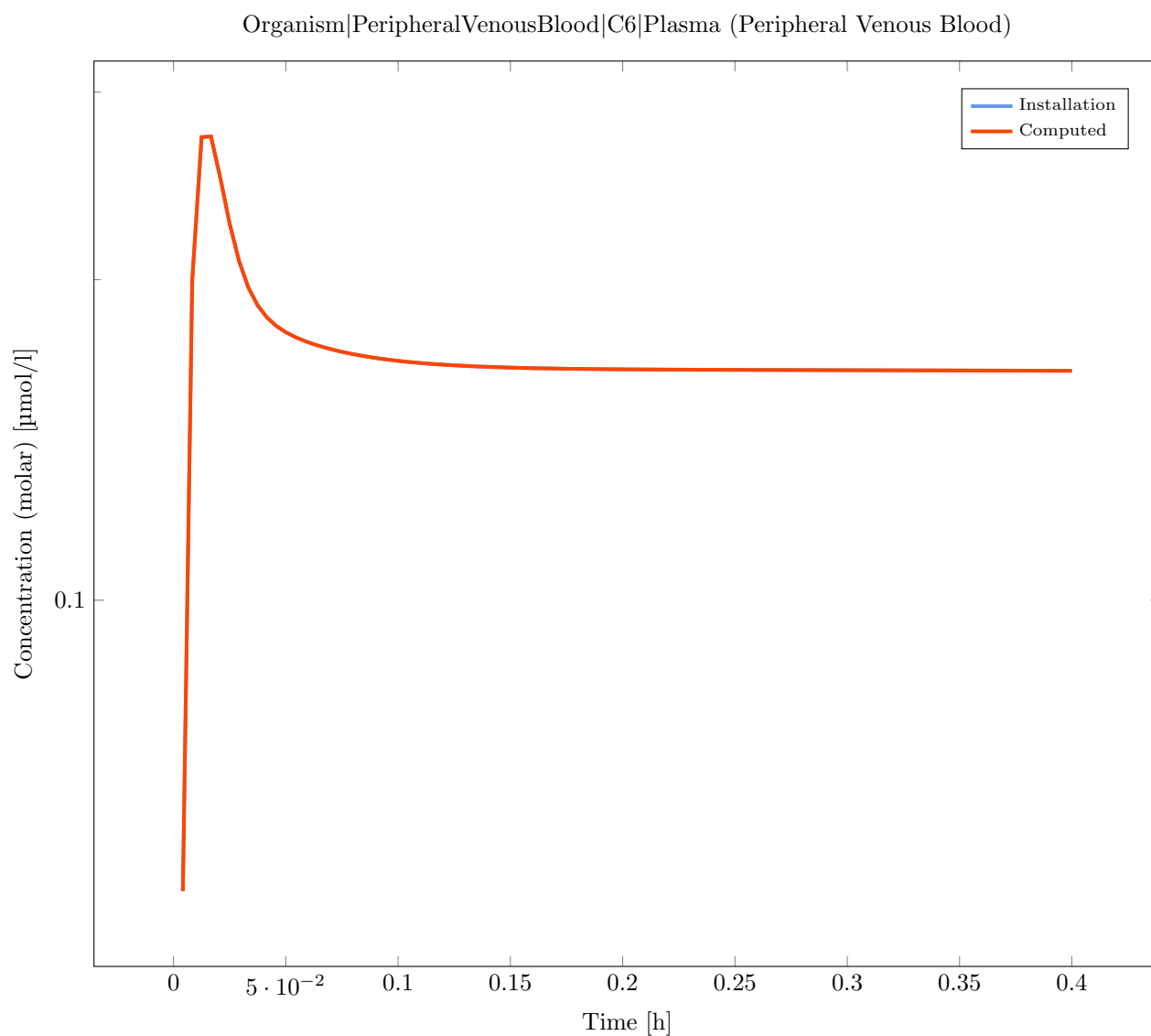


Figure 1.227

**Simulation:** SingleORAL\_C6\_4Comp\_RR\_standard\_standard-SingleORAL\_C6\_4Comp\_RR\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C6|Plasma (Peripheral Venous Blood)

Deviation: 0

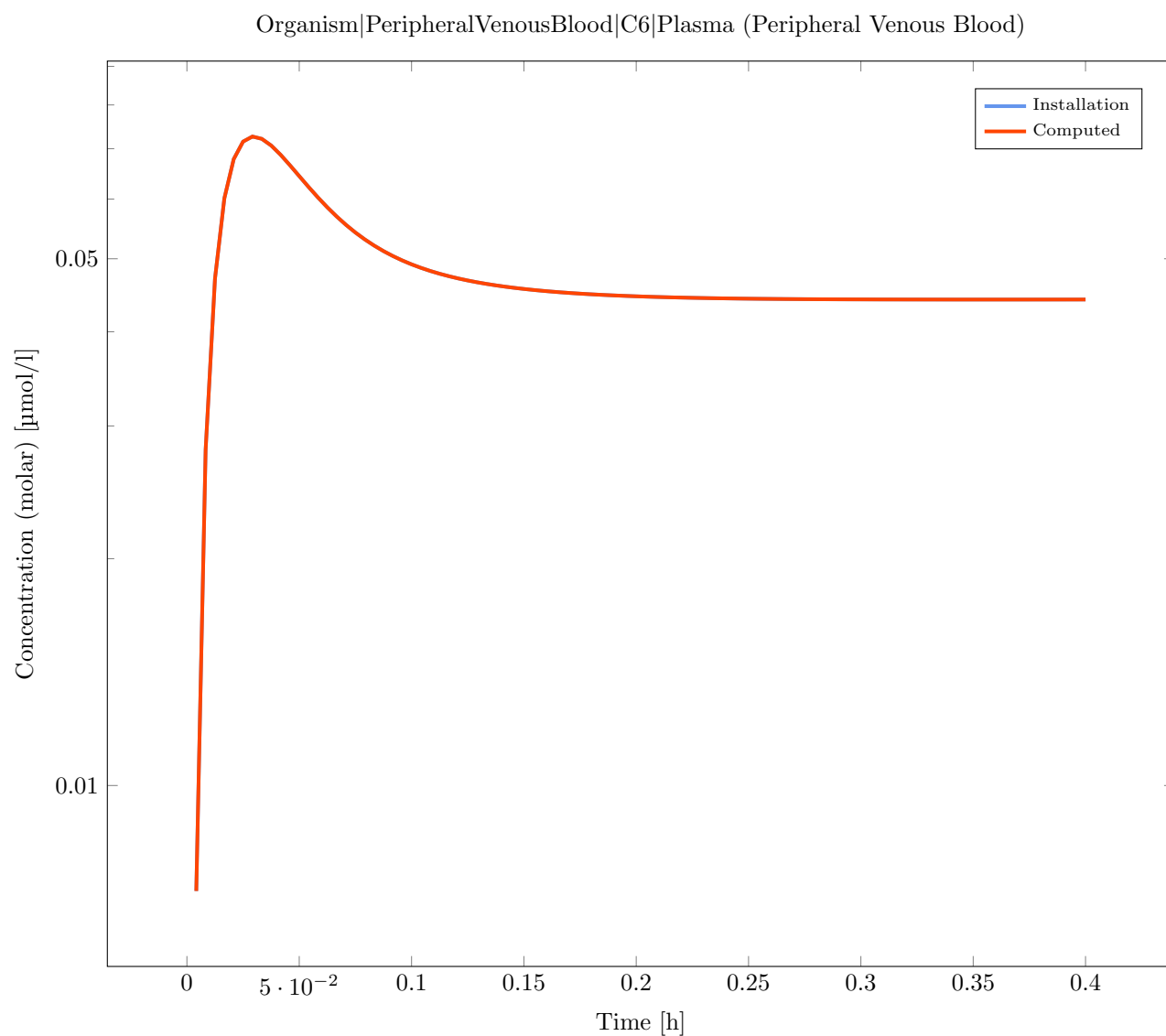


Figure 1.228

**Simulation:** SingleORAL\_C7\_2Pores\_Ber\_standard\_standard-SingleORAL\_C7\_2Pores\_Ber\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C7|Plasma (Peripheral Venous Blood)

Deviation: 0



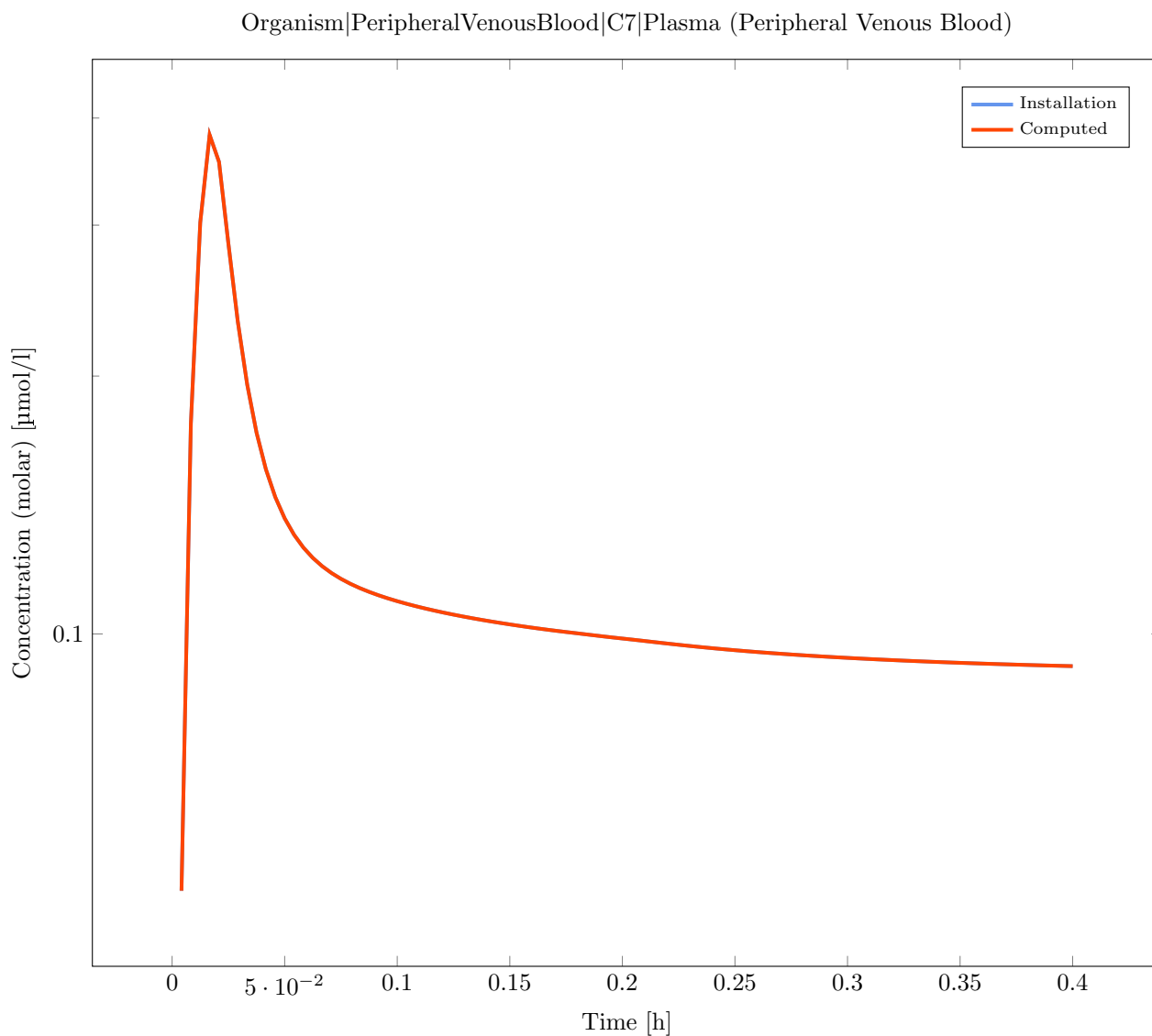


Figure 1.229

**Simulation:** SingleORAL\_C7\_4Comp\_RR\_schmitt\_standard-SingleORAL\_C7\_4Comp\_RR\_schmitt\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C7|Plasma (Peripheral Venous Blood)

Deviation: 0

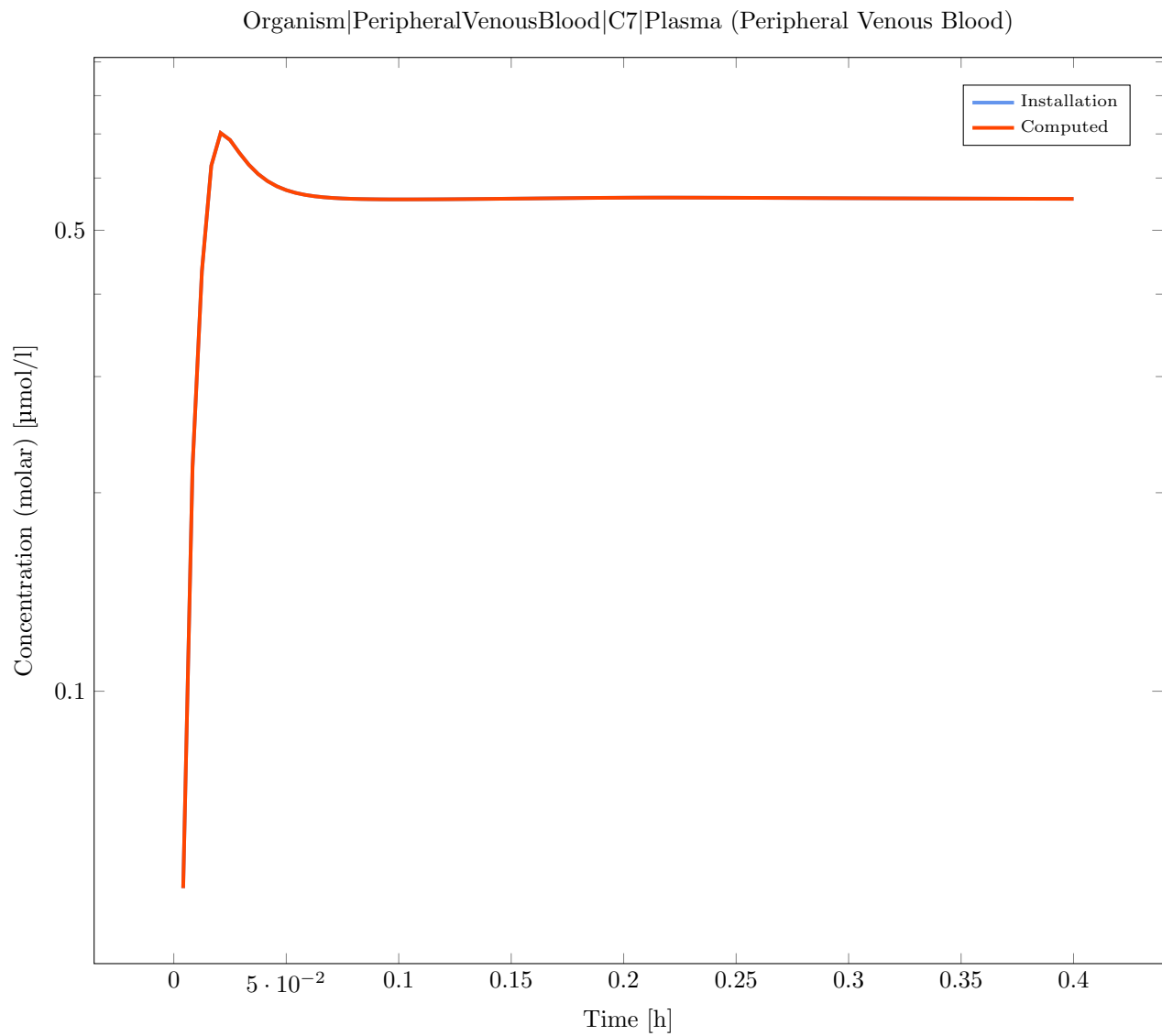


Figure 1.230

**Simulation:** SingleORAL\_C8\_2Pores\_RR\_standard\_standard-SingleORAL\_C8\_2Pores\_RR\_standard\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C8|Plasma (Peripheral Venous Blood)

Deviation: 0

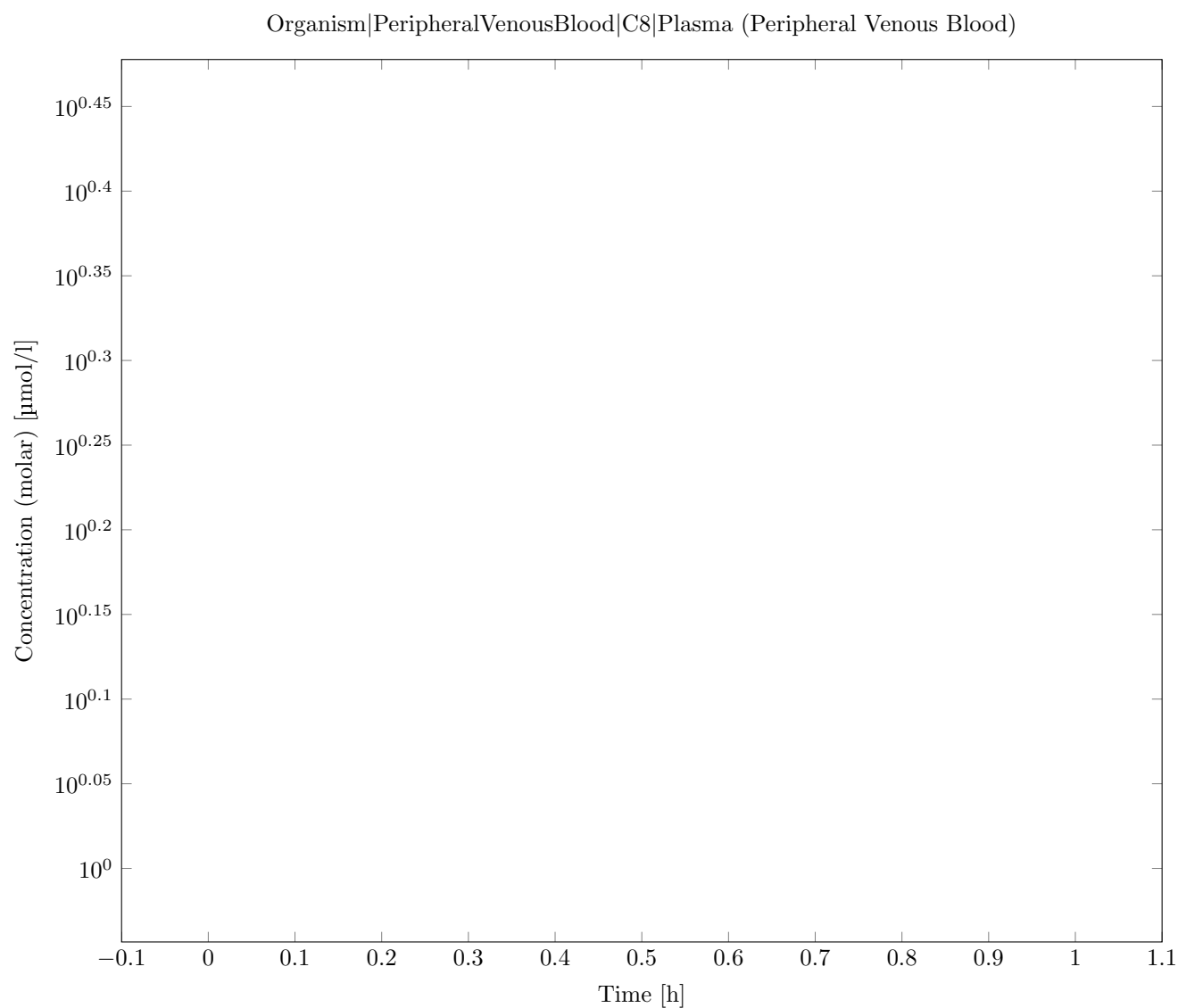


Figure 1.231

**Simulation:** SingleORAL\_C9\_2Pores\_RR\_schmitt\_standard-SingleORAL\_C9\_2Pores\_RR\_schmitt\_standard

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C9|Plasma (Peripheral Venous Blood)

Deviation: 0

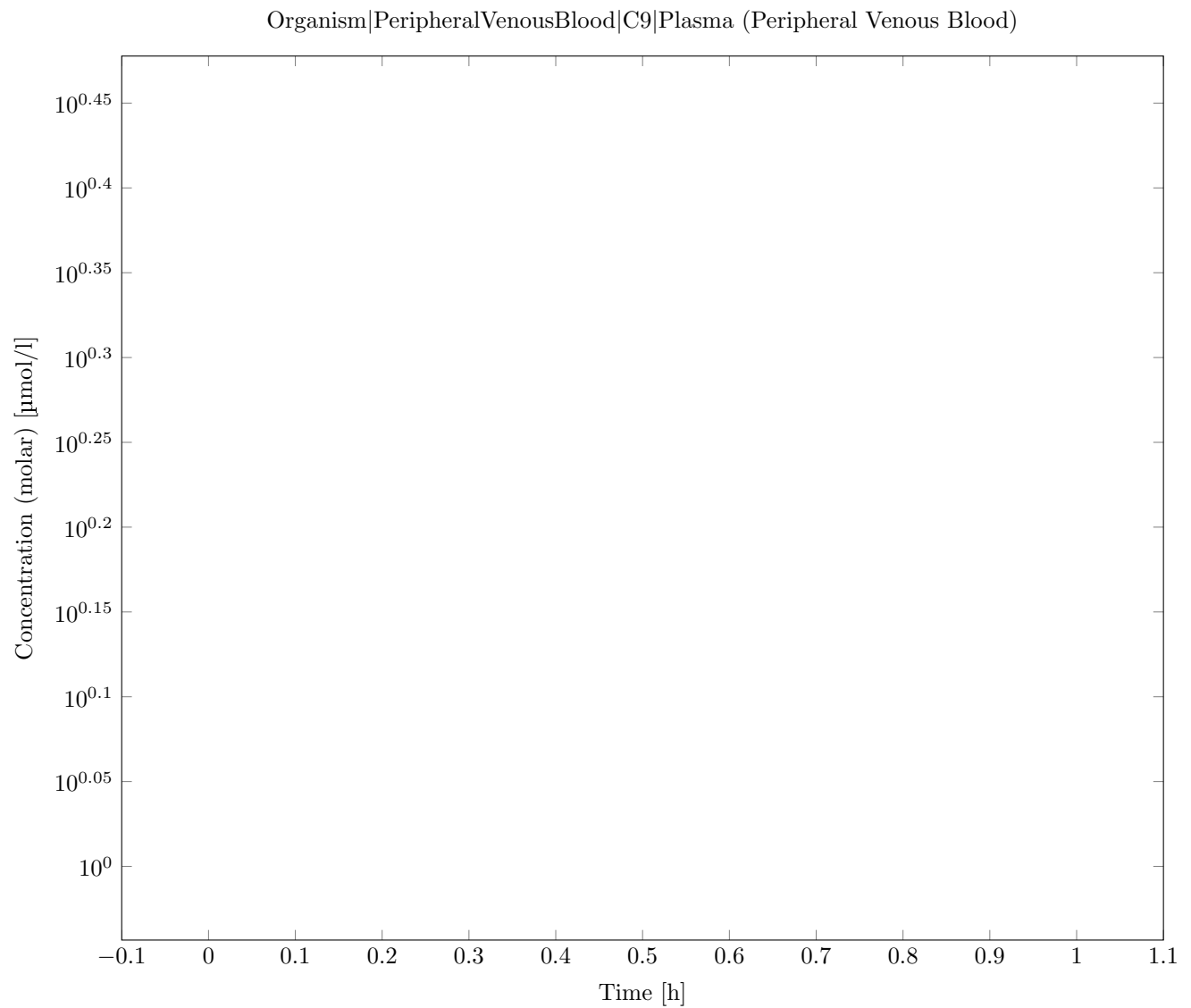


Figure 1.232

**Simulation:** Test 18.1\_I1\_C1\_A1\_Config1-Test 18.1\_I1\_C1\_A1\_Config1

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 0

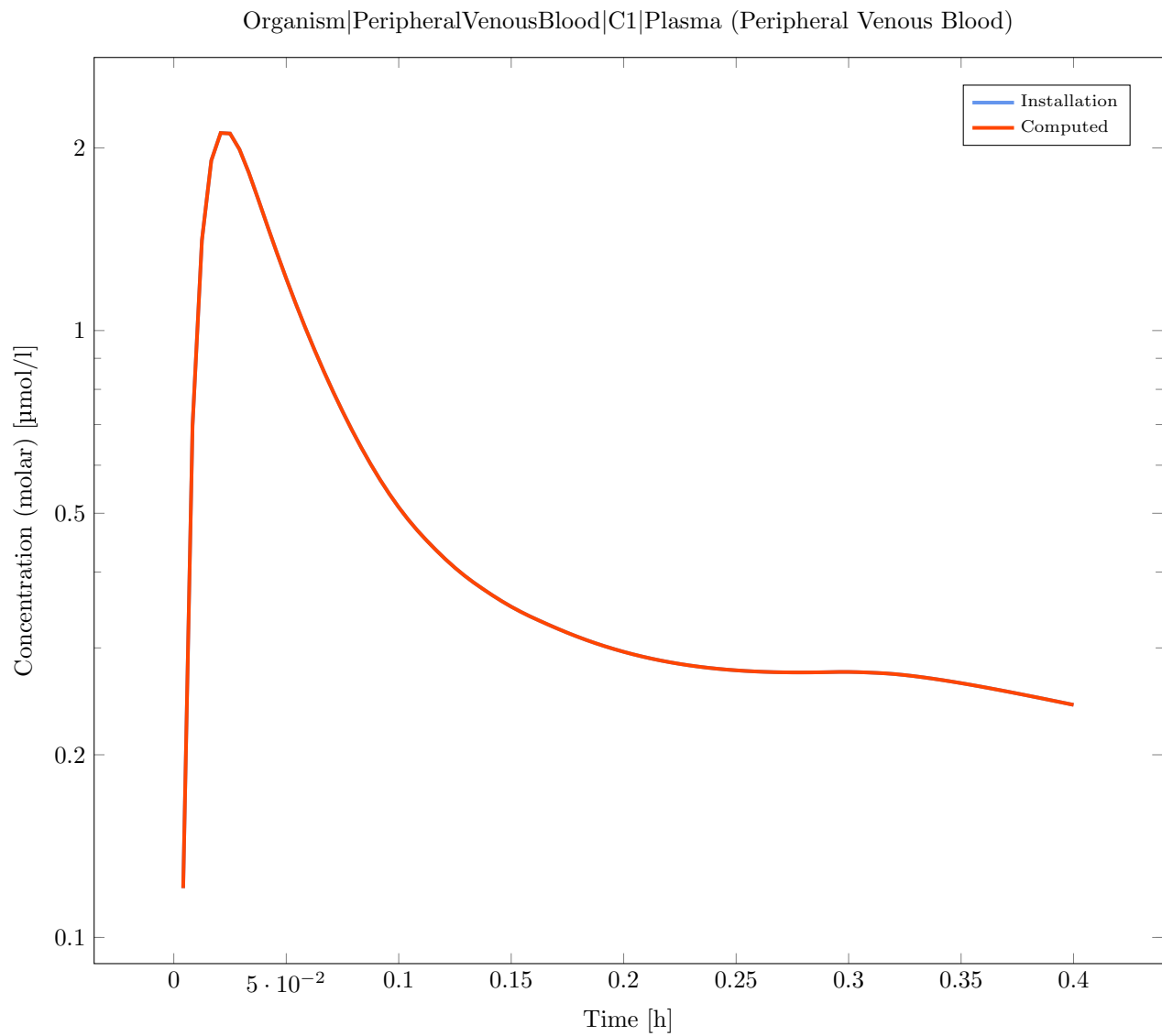


Figure 1.233

**Simulation:** Test 18.1\_I2\_C1\_A1\_Config2-Test 18.1\_I2\_C1\_A1\_Config2

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C1|Plasma (Peripheral Venous Blood)

Deviation: 0

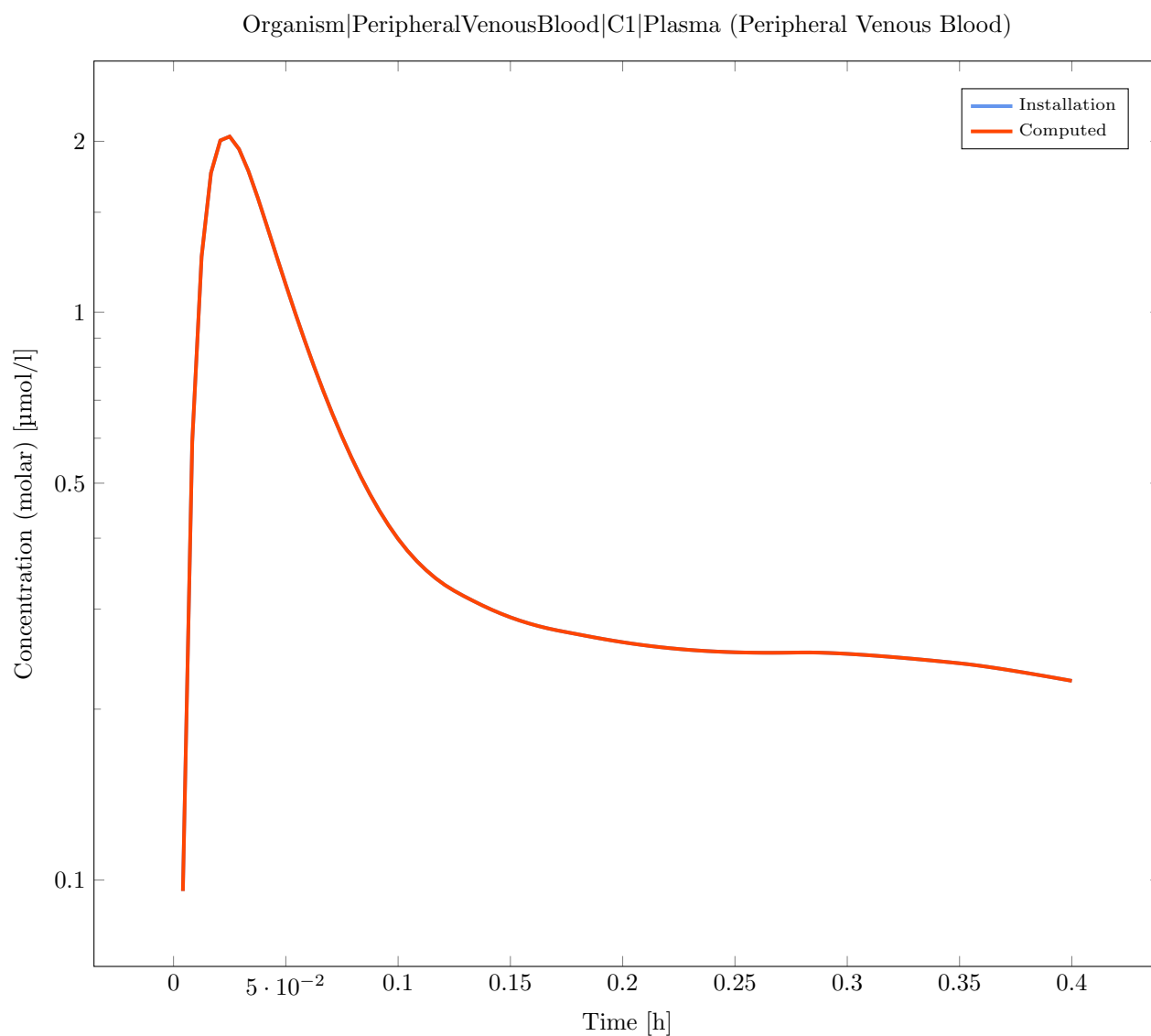


Figure 1.234

**Simulation:** Test 18.1\_I2\_C3\_A1\_Config2-Test 18.1\_I2\_C3\_A1\_Config2

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C3|Plasma (Peripheral Venous Blood)

Deviation: 0

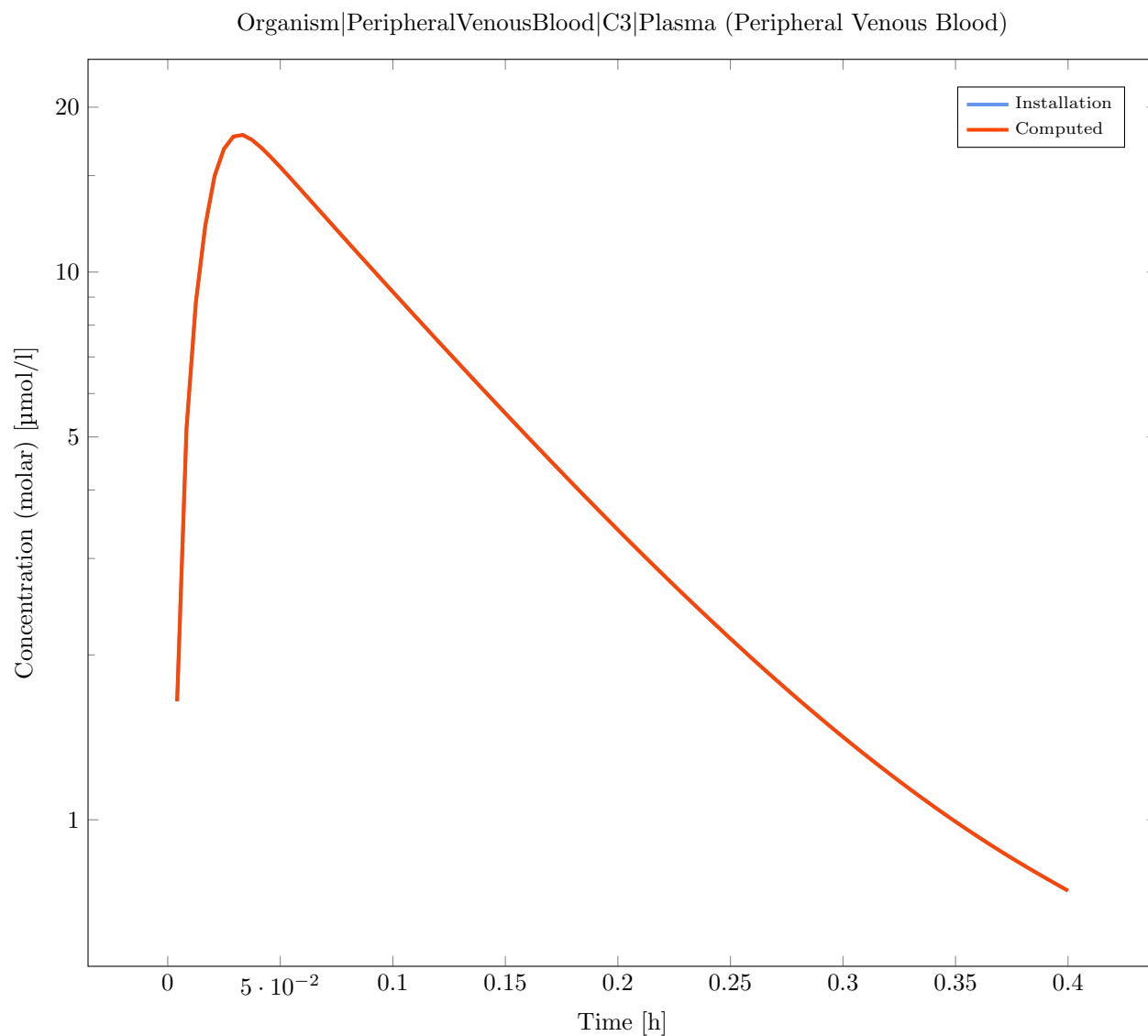


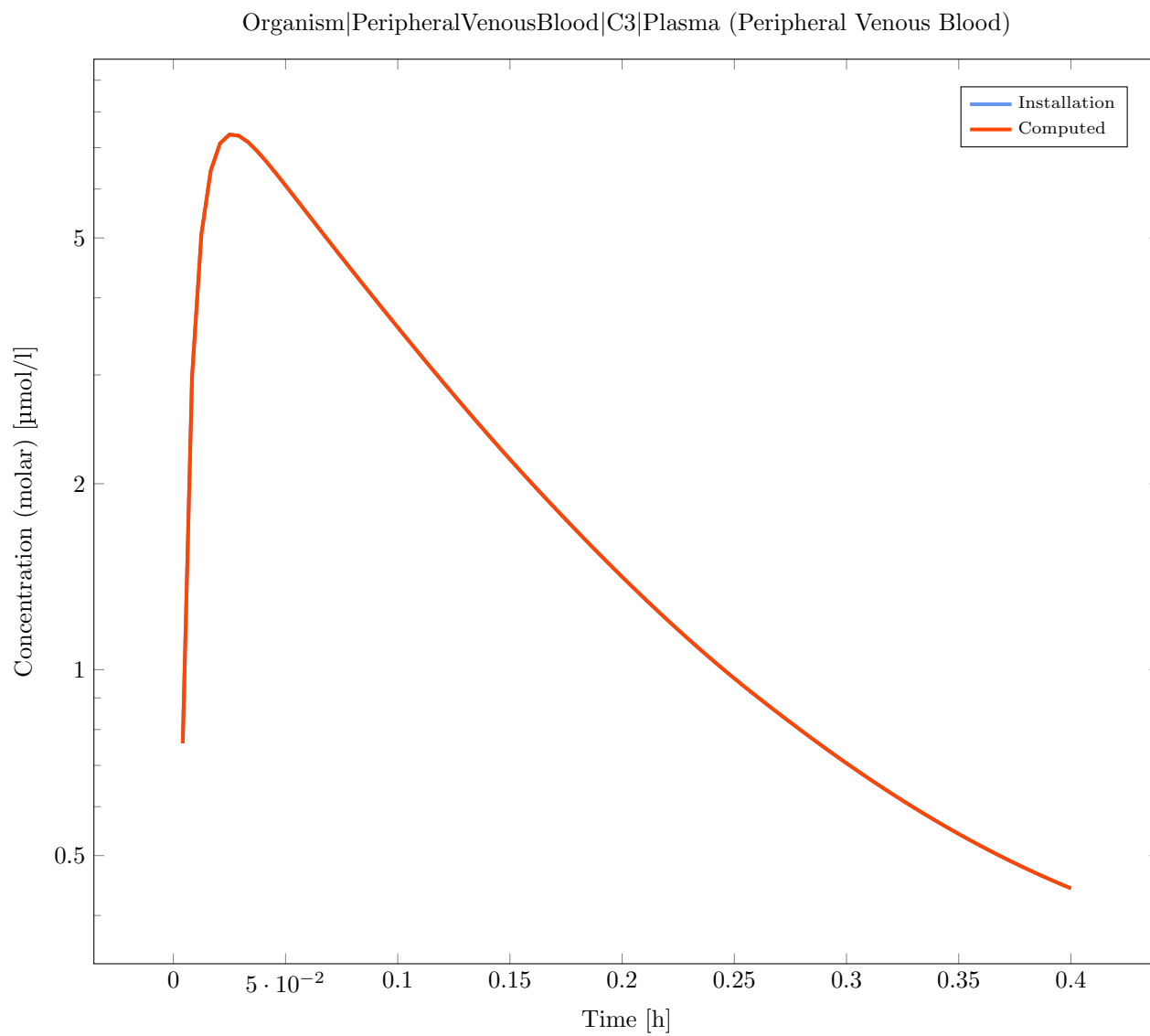
Figure 1.235

**Simulation:** Test 18.1\_I3\_C3\_A3\_Config2-Test 18.1\_I3\_C3\_A3\_Config2

Result of the validation: Valid

**Output Path:** Organism|PeripheralVenousBlood|C3|Plasma (Peripheral Venous Blood)

Deviation: 0

**Figure 1.236**