# Results summary: 1

SB vitreous

### Run statistics

|  |  |
| --- | --- |
| Output file | 1.out |
| Reference model | - |
| Description | SB vitreous |
| NONMEM version | version 7.5.1 |
| Author |  |
| Dataset | SB.csv |
| Dataset ignored | - |
| Dataset accepted | - |
| # individuals | 40 |
| # observations | 39 |
| Output file date | 2024-09-17, 18:52:26 |
| Run started | - |
| Run finished | - |
| Table files | sdtab1, patab1 |
| Attached folders |  |
| Drug |  |
| Protocol |  |
| Notes in Pirana | 1 |

### Estimation results (#1 FOCE-I)

|  |  |
| --- | --- |
| Objective function value: | 614.298 |
| Termination message: | minimization successful no. of function evaluations used: 158 no. of sig. digits in final est.: 3.5 |
| Checks: | No boundary problems reported by NONMEM |
|  | All gradients non-zero during estimation |
| Condition number: | 253.77 |

### Parameter estimates (#1 FOCE-I)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Theta | Description | Estimate | FIX | SE | RSE | 95%CI | [lower, | init, | upper] |
| 1 | CL | 7.07E-06 | - | 8.37E-07 | 11.8% | 5.43E-06-8.71E-06 | 0 | 4E-06 | +Inf |
| 2 | V | 0.00111 | - | 0.000167 | 15% | 0.000783-0.00144 | 0 | 0.0004 | +Inf |
| 3 | Additive Residual Variability | 1E-06 | FIX | 0 | 0% | 1E-06-1E-06 | 1E-06 | 1E-06 | 1E-06 |
| 4 | Proportional Residual Variability | 0.551 | - | 0.0756 | 13.7% | 0.403-0.699 | 0 | 0.1 | +Inf |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Omega | Description | Estimate | SE | RSE | Etabar | p val | Shrinkage |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sigma | Description | Estimate | SE | RSE | Shrinkage |
| 1,1 | . | 1 | . | . | 0.1% |
| 2,2 | . | 1 | . | . | 100% |



\* Correlations in omega are shown as the off-diagonal elements. SAME blocks are not shown.

# Results summary: 1\_1

SB vitreous with IIV CL V

### Run statistics

|  |  |
| --- | --- |
| Output file | 1\_1.out |
| Reference model | 1 |
| Description | SB vitreous with IIV CL V |
| NONMEM version | version 7.5.1 |
| Author |  |
| Dataset | SB.csv |
| Dataset ignored | - |
| Dataset accepted | - |
| # individuals | 40 |
| # observations | 39 |
| Output file date | 2024-09-17, 18:50:41 |
| Run started | - |
| Run finished | - |
| Table files | sdtab2, patab2 |
| Attached folders |  |
| Drug |  |
| Protocol |  |
| Notes in Pirana | 2 |

### Estimation results (#1 FOCE-I)

|  |  |
| --- | --- |
| Objective function value: | 717.181 |
| Termination message: | minimization terminated due to rounding errors (error=134) no. of function evaluations used: 217 no. of sig. digits unreportable 0parameter estimate is near its boundary |
| Checks: | Boundary problem reported by NONMEM! |
|  | Zero gradients encountered during estimation! |
| Condition number: | na |

### Parameter estimates (#1 FOCE-I)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Theta | Description | Estimate | FIX | SE | RSE | 95%CI | [lower, | init, | upper] |
| 1 | CL | 4E-08 | - | . | . | . | 0 | 4E-06 | +Inf |
| 2 | V | 0.000115 | - | . | . | . | 0 | 0.0007 | +Inf |
| 3 | Additive Residual Variability | 1E-06 | FIX | . | . | . | 1E-06 | 1E-06 | 1E-06 |
| 4 | Proportional Residual Variability | 0.001 | - | . | . | . | 0 | 0.1 | +Inf |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Omega | Description | Estimate | SE | RSE | Etabar | p val | Shrinkage |
| 1,1 | . | 1.59 | . | . | -0.328 (0.0935) | 0.0004437 | 53.7% |
| 2,2 | . | 12.6 | . | . | 0.775 (0.465) | 0.09517 | 18.2% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sigma | Description | Estimate | SE | RSE | Shrinkage |
| 1,1 | . | 1 | . | . | 99.9% |
| 2,2 | . | 1 | . | . | 100% |



\* Correlations in omega are shown as the off-diagonal elements. SAME blocks are not shown.

# Results summary: 1\_2

SB vitreous with IIV CL V combined error

### Run statistics

|  |  |
| --- | --- |
| Output file | 1\_2.out |
| Reference model | 1 |
| Description | SB vitreous with IIV CL V combined error |
| NONMEM version | version 7.5.1 |
| Author |  |
| Dataset | SB.csv |
| Dataset ignored | - |
| Dataset accepted | - |
| # individuals | 40 |
| # observations | 39 |
| Output file date | 2024-09-17, 18:50:09 |
| Run started | - |
| Run finished | - |
| Table files | sdtab3, patab3 |
| Attached folders |  |
| Drug |  |
| Protocol |  |
| Notes in Pirana | 3 |

### Estimation results (#1 FOCE-I)

|  |  |
| --- | --- |
| Objective function value: | 716.850 |
| Termination message: | minimization terminated due to rounding errors (error=134) no. of function evaluations used: 658 no. of sig. digits unreportable 0parameter estimate is near its boundary |
| Checks: | Boundary problem reported by NONMEM! |
|  | Zero gradients encountered during estimation! |
| Condition number: | na |

### Parameter estimates (#1 FOCE-I)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Theta | Description | Estimate | FIX | SE | RSE | 95%CI | [lower, | init, | upper] |
| 1 | CL | 4E-08 | - | . | . | . | 0 | 4E-06 | +Inf |
| 2 | V | 0.000169 | - | . | . | . | 0 | 0.0007 | +Inf |
| 3 | Additive Residual Variability | -0.00783 | - | . | . | . | -Inf | 100 | +Inf |
| 4 | Proportional Residual Variability | 0.001 | - | . | . | . | 0 | 0.1 | +Inf |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Omega | Description | Estimate | SE | RSE | Etabar | p val | Shrinkage |
| 1,1 | . | 1.64 | . | . | -0.34 (0.0937) | 0.0002849 | 54.3% |
| 2,2 | . | 11.8 | . | . | 0.412 (0.462) | 0.3724 | 15.9% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sigma | Description | Estimate | SE | RSE | Shrinkage |
| 1,1 | . | 1 | . | . | 99.9% |
| 2,2 | . | 1 | . | . | 100% |



\* Correlations in omega are shown as the off-diagonal elements. SAME blocks are not shown.

# Results summary: 1\_4

SB vitreous with additive error

### Run statistics

|  |  |
| --- | --- |
| Output file | 1\_4.out |
| Reference model | 1 |
| Description | SB vitreous with additive error |
| NONMEM version | version 7.5.1 |
| Author |  |
| Dataset | SB.csv |
| Dataset ignored | - |
| Dataset accepted | - |
| # individuals | 40 |
| # observations | 39 |
| Output file date | 2024-09-19, 17:10:58 |
| Run started | - |
| Run finished | - |
| Table files | sdtab4, patab4 |
| Attached folders |  |
| Drug |  |
| Protocol |  |
| Notes in Pirana | 4 |

### Estimation results (#1 FOCE-I)

|  |  |
| --- | --- |
| Objective function value: | 868.576 |
| Termination message: | minimization successful no. of function evaluations used: 238 no. of sig. digits in final est.: 3.2 0parameter estimate is near its boundary this must be addressed before the covariance step can be implemented |
| Checks: | Boundary problem reported by NONMEM! |
|  | Zero gradients encountered during estimation! |
| Condition number: | na |

### Parameter estimates (#1 FOCE-I)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Theta | Description | Estimate | FIX | SE | RSE | 95%CI | [lower, | init, | upper] |
| 1 | CL | 4E-08 | - | . | . | . | 0 | 4E-06 | +Inf |
| 2 | V | 1.34E-05 | - | . | . | . | 0 | 0.0007 | +Inf |
| 3 | Additive Residual Variability | 41600 | - | . | . | . | -Inf | 1000 | +Inf |
| 4 | Proportional Residual Variability | 1E-06 | FIX | . | . | . | 1E-06 | 1E-06 | 1E-06 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Omega | Description | Estimate | SE | RSE | Etabar | p val | Shrinkage |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sigma | Description | Estimate | SE | RSE | Shrinkage |
| 1,1 | . | 1 | . | . | 0.1% |
| 2,2 | . | 1 | . | . | 100% |



\* Correlations in omega are shown as the off-diagonal elements. SAME blocks are not shown.

# Results summary: 1\_5

SB vitreous with IIV CL

### Run statistics

|  |  |
| --- | --- |
| Output file | 1\_5.out |
| Reference model | 1 |
| Description | SB vitreous with IIV CL |
| NONMEM version | version 7.5.1 |
| Author |  |
| Dataset | SB.csv |
| Dataset ignored | - |
| Dataset accepted | - |
| # individuals | 40 |
| # observations | 39 |
| Output file date | 2024-09-19, 16:59:47 |
| Run started | - |
| Run finished | - |
| Table files | sdtab5, patab5 |
| Attached folders |  |
| Drug |  |
| Protocol |  |
| Notes in Pirana | 5 |

### Estimation results (#1 FOCE-I)

|  |  |
| --- | --- |
| Objective function value: | 597.432 |
| Termination message: | minimization terminated due to rounding errors (error=134) no. of function evaluations used: 780 no. of sig. digits unreportable 0parameter estimate is near its boundary |
| Checks: | Boundary problem reported by NONMEM! |
|  | Zero gradients encountered during estimation! |
| Condition number: | na |

### Parameter estimates (#1 FOCE-I)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Theta | Description | Estimate | FIX | SE | RSE | 95%CI | [lower, | init, | upper] |
| 1 | CL | 6.19E-06 | - | . | . | . | 0 | 4E-06 | +Inf |
| 2 | V | 0.000925 | - | . | . | . | 0 | 0.0004 | +Inf |
| 3 | Additive Residual Variability | 1E-06 | FIX | . | . | . | 1E-06 | 1E-06 | 1E-06 |
| 4 | Proportional Residual Variability | 0.005 | - | . | . | . | 0 | 0.5 | +Inf |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Omega | Description | Estimate | SE | RSE | Etabar | p val | Shrinkage |
| 1,1 | . | 0.00954 | . | . | 0.000395 (0.0156) | 0.9798 | 0.1% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sigma | Description | Estimate | SE | RSE | Shrinkage |
| 1,1 | . | 1 | . | . | 98.5% |



\* Correlations in omega are shown as the off-diagonal elements. SAME blocks are not shown.

# Results summary: 1\_6

SB vitreous with IIV CL without error

### Run statistics

|  |  |
| --- | --- |
| Output file | 1\_6.out |
| Reference model | 1 |
| Description | SB vitreous with IIV CL without error |
| NONMEM version | version 7.5.1 |
| Author |  |
| Dataset | SB.csv |
| Dataset ignored | - |
| Dataset accepted | - |
| # individuals | 40 |
| # observations | 39 |
| Output file date | 2024-09-19, 17:00:38 |
| Run started | - |
| Run finished | - |
| Table files | sdtab6, patab6 |
| Attached folders |  |
| Drug |  |
| Protocol |  |
| Notes in Pirana | - |

### Estimation results (#1 FOCE-I)

|  |  |
| --- | --- |
| Objective function value: | 597.543 |
| Termination message: | minimization successful however, problems occurred with the minimization. regard the results of the estimation step carefully, and accept them only after checking that the covariance step produces reasonable output. no. of function evaluations used: 3604 no. of sig. digits in final est.: 3.0 |
| Checks: | No boundary problems reported by NONMEM |
|  | All gradients non-zero during estimation |
| Condition number: | 215.69 |

### Parameter estimates (#1 FOCE-I)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Theta | Description | Estimate | FIX | SE | RSE | 95%CI | [lower, | init, | upper] |
| 1 | CL | 5.97E-06 | - | 6.2E-07 | 10.4% | 4.75E-06-7.19E-06 | 0 | 4E-06 | +Inf |
| 2 | V | 0.000882 | - | 0.000112 | 12.7% | 0.000662-0.0011 | 0 | 0.0004 | +Inf |
| 3 | Additive Residual Variability | 1E-06 | FIX | 0 | 0% | 1E-06-1E-06 | 1E-06 | 1E-06 | 1E-06 |
| 4 | Proportional Residual Variability | 1E-06 | FIX | 0 | 0% | 1E-06-1E-06 | 1E-06 | 1E-06 | 1E-06 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Omega | Description | Estimate | SE | RSE | Etabar | p val | Shrinkage |
| 1,1 | . | 0.00935 | 0.00261 | 27.9% | 0.000336 (0.0155) | 0.9827 | 0.1% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sigma | Description | Estimate | SE | RSE | Shrinkage |
| 1,1 | . | 1 | . | . | 100% |



\* Correlations in omega are shown as the off-diagonal elements. SAME blocks are not shown.

# Results summary: 1\_7

SB vitreous with IIV V without error

### Run statistics

|  |  |
| --- | --- |
| Output file | 1\_7.out |
| Reference model | 1 |
| Description | SB vitreous with IIV V without error |
| NONMEM version | version 7.5.1 |
| Author |  |
| Dataset | SB.csv |
| Dataset ignored | - |
| Dataset accepted | - |
| # individuals | 40 |
| # observations | 39 |
| Output file date | 2024-09-19, 17:17:26 |
| Run started | - |
| Run finished | - |
| Table files | sdtab7, patab7 |
| Attached folders |  |
| Drug |  |
| Protocol |  |
| Notes in Pirana | - |

### Estimation results (#1 FOCE-I)

|  |  |
| --- | --- |
| Objective function value: | 601.404 |
| Termination message: | minimization successful however, problems occurred with the minimization. regard the results of the estimation step carefully, and accept them only after checking that the covariance step produces reasonable output. no. of function evaluations used: 2906 no. of sig. digits in final est.: 3.0 |
| Checks: | No boundary problems reported by NONMEM |
|  | All gradients non-zero during estimation |
| Condition number: | 119.27 |

### Parameter estimates (#1 FOCE-I)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Theta | Description | Estimate | FIX | SE | RSE | 95%CI | [lower, | init, | upper] |
| 1 | CL | 5.63E-06 | - | 4.29E-07 | 7.6% | 4.79E-06-6.47E-06 | 0 | 4E-06 | +Inf |
| 2 | V | 0.000819 | - | 7.68E-05 | 9.4% | 0.000668-0.00097 | 0 | 0.0004 | +Inf |
| 3 | Additive Residual Variability | 1E-06 | FIX | 0 | 0% | 1E-06-1E-06 | 1E-06 | 1E-06 | 1E-06 |
| 4 | Proportional Residual Variability | 1E-06 | FIX | 0 | 0% | 1E-06-1E-06 | 1E-06 | 1E-06 | 1E-06 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Omega | Description | Estimate | SE | RSE | Etabar | p val | Shrinkage |
| 2,2 | . | 0.0167 | 0.0047 | 28.1% | 0.000604 (0.0207) | 0.9767 | 0.1% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sigma | Description | Estimate | SE | RSE | Shrinkage |
| 1,1 | . | 1 | . | . | 100% |



\* Correlations in omega are shown as the off-diagonal elements. SAME blocks are not shown.

# Results summary: 1\_8

SB vitreous with IIV CL V without error

### Run statistics

|  |  |
| --- | --- |
| Output file | 1\_8.out |
| Reference model | 1 |
| Description | SB vitreous with IIV CL V without error |
| NONMEM version | version 7.5.1 |
| Author |  |
| Dataset | SB.csv |
| Dataset ignored | - |
| Dataset accepted | - |
| # individuals | 40 |
| # observations | 39 |
| Output file date | 2024-09-19, 17:19:23 |
| Run started | - |
| Run finished | - |
| Table files | sdtab8, patab8 |
| Attached folders |  |
| Drug |  |
| Protocol |  |
| Notes in Pirana | - |

### Estimation results (#1 FOCE-I)

|  |  |
| --- | --- |
| Objective function value: | 645.693 |
| Termination message: | minimization terminated due to rounding errors (error=134) no. of function evaluations used: 155 no. of sig. digits unreportable |
| Checks: | No boundary problems reported by NONMEM |
|  | All gradients non-zero during estimation |
| Condition number: | na |

### Parameter estimates (#1 FOCE-I)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Theta | Description | Estimate | FIX | SE | RSE | 95%CI | [lower, | init, | upper] |
| 1 | CL | 1.19E-05 | - | . | . | . | 0 | 4E-06 | +Inf |
| 2 | V | 0.00233 | - | . | . | . | 0 | 0.0004 | +Inf |
| 3 | Additive Residual Variability | 1E-06 | FIX | . | . | . | 1E-06 | 1E-06 | 1E-06 |
| 4 | Proportional Residual Variability | 1E-06 | FIX | . | . | . | 1E-06 | 1E-06 | 1E-06 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Omega | Description | Estimate | SE | RSE | Etabar | p val | Shrinkage |
| 1,1 | . | 0.0357 | . | . | -0.00573 (0.0266) | 0.8293 | 12.1% |
| 2,2 | . | 0.0415 | . | . | -0.0398 (0.0112) | 0.0003636 | 65.7% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sigma | Description | Estimate | SE | RSE | Shrinkage |
| 1,1 | . | 1 | . | . | 98.1% |



\* Correlations in omega are shown as the off-diagonal elements. SAME blocks are not shown.

# Results summary: 2

SB vitreous 2comp

### Run statistics

|  |  |
| --- | --- |
| Output file | 2.out |
| Reference model | 1 |
| Description | SB vitreous 2comp |
| NONMEM version | version 7.5.1 |
| Author |  |
| Dataset | SB.csv |
| Dataset ignored | - |
| Dataset accepted | - |
| # individuals | 40 |
| # observations | 39 |
| Output file date | 2024-09-19, 17:27:24 |
| Run started | - |
| Run finished | - |
| Table files | sdtab20, patab20 |
| Attached folders |  |
| Drug |  |
| Protocol |  |
| Notes in Pirana | 20 |

### Estimation results (#1 FOCE-I)

|  |  |
| --- | --- |
| Objective function value: | 614.298 |
| Termination message: | minimization successful no. of function evaluations used: 734 no. of sig. digits in final est.: 3.3 |
| Checks: | No boundary problems reported by NONMEM |
|  | All gradients non-zero during estimation |
| Condition number: | na |

### Parameter estimates (#1 FOCE-I)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Theta | Description | Estimate | FIX | SE | RSE | 95%CI | [lower, | init, | upper] |
| 1 | CL | 7.04E-06 | - | . | . | . | 0 | 4E-06 | +Inf |
| 2 | V1 | 0.000891 | - | . | . | . | 0 | 0.0004 | +Inf |
| 3 | Q | 6.48E-05 | - | . | . | . | 0 | 2E-06 | +Inf |
| 4 | V2 | 0.000213 | - | . | . | . | 0 | 0.0001 | +Inf |
| 5 | Additive Residual Variability | 1E-06 | FIX | . | . | . | 1E-06 | 1E-06 | 1E-06 |
| 6 | Proportional Residual Variability | 0.55 | - | . | . | . | 0 | 0.1 | +Inf |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Omega | Description | Estimate | SE | RSE | Etabar | p val | Shrinkage |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sigma | Description | Estimate | SE | RSE | Shrinkage |
| 1,1 | . | 1 | . | . | 0.1% |



\* Correlations in omega are shown as the off-diagonal elements. SAME blocks are not shown.

# Results summary: 2\_1

SB vitreous 2comp with IIV CL

### Run statistics

|  |  |
| --- | --- |
| Output file | 2\_1.out |
| Reference model | 1 |
| Description | SB vitreous 2comp with IIV CL |
| NONMEM version | version 7.5.1 |
| Author |  |
| Dataset | SB.csv |
| Dataset ignored | - |
| Dataset accepted | - |
| # individuals | 40 |
| # observations | 39 |
| Output file date | 2024-09-19, 17:14:22 |
| Run started | - |
| Run finished | - |
| Table files | sdtab21, patab21 |
| Attached folders |  |
| Drug |  |
| Protocol |  |
| Notes in Pirana | - |

### Estimation results (#1 FOCE-I)

|  |  |
| --- | --- |
| Objective function value: | 596.869 |
| Termination message: | minimization terminated due to max. no. of function evaluations exceeded no. of function evaluations used: 10000 no. of sig. digits unreportable 0parameter estimate is near its boundary |
| Checks: | Boundary problem reported by NONMEM! |
|  | Zero gradients encountered during estimation! |
| Condition number: | na |

### Parameter estimates (#1 FOCE-I)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Theta | Description | Estimate | FIX | SE | RSE | 95%CI | [lower, | init, | upper] |
| 1 | CL | 4.28E-06 | - | . | . | . | 0 | 4E-06 | +Inf |
| 2 | V1 | 0.000349 | - | . | . | . | 0 | 0.0004 | +Inf |
| 3 | Q | 1.84E-06 | - | . | . | . | 0 | 2E-06 | +Inf |
| 4 | V2 | 0.000141 | - | . | . | . | 0 | 0.0001 | +Inf |
| 5 | Additive Residual Variability | 1E-06 | FIX | . | . | . | 1E-06 | 1E-06 | 1E-06 |
| 6 | Proportional Residual Variability | 0.001 | - | . | . | . | 0 | 0.1 | +Inf |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Omega | Description | Estimate | SE | RSE | Etabar | p val | Shrinkage |
| 1,1 | . | 0.0127 | . | . | 0.000106 (0.018) | 0.9953 | 0.1% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sigma | Description | Estimate | SE | RSE | Shrinkage |
| 1,1 | . | 1 | . | . | 99.7% |
| 2,2 | . | 1 | . | . | 100% |



\* Correlations in omega are shown as the off-diagonal elements. SAME blocks are not shown.

# Results summary: 2\_2

SB vitreous 2comp with IIV CL without error

### Run statistics

|  |  |
| --- | --- |
| Output file | 2\_2.out |
| Reference model | 1 |
| Description | SB vitreous 2comp with IIV CL without error |
| NONMEM version | version 7.5.1 |
| Author |  |
| Dataset | SB.csv |
| Dataset ignored | - |
| Dataset accepted | - |
| # individuals | 40 |
| # observations | 39 |
| Output file date | 2024-09-19, 17:15:31 |
| Run started | - |
| Run finished | - |
| Table files | sdtab22, patab22 |
| Attached folders |  |
| Drug |  |
| Protocol |  |
| Notes in Pirana | - |

### Estimation results (#1 FOCE-I)

|  |  |
| --- | --- |
| Objective function value: | 596.843 |
| Termination message: | minimization terminated due to max. no. of function evaluations exceeded no. of function evaluations used: 10022 no. of sig. digits unreportable |
| Checks: | No boundary problems reported by NONMEM |
|  | All gradients non-zero during estimation |
| Condition number: | na |

### Parameter estimates (#1 FOCE-I)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Theta | Description | Estimate | FIX | SE | RSE | 95%CI | [lower, | init, | upper] |
| 1 | CL | 4.26E-06 | - | . | . | . | 0 | 4E-06 | +Inf |
| 2 | V1 | 0.000369 | - | . | . | . | 0 | 0.0004 | +Inf |
| 3 | Q | 1.54E-06 | - | . | . | . | 0 | 2E-06 | +Inf |
| 4 | V2 | 0.000124 | - | . | . | . | 0 | 0.0001 | +Inf |
| 5 | Additive Residual Variability | 1E-06 | FIX | . | . | . | 1E-06 | 1E-06 | 1E-06 |
| 6 | Proportional Residual Variability | 1E-06 | FIX | . | . | . | 1E-06 | 1E-06 | 1E-06 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Omega | Description | Estimate | SE | RSE | Etabar | p val | Shrinkage |
| 1,1 | . | 0.0125 | . | . | 0.000262 (0.0179) | 0.9884 | 0.1% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sigma | Description | Estimate | SE | RSE | Shrinkage |
| 1,1 | . | 1 | . | . | 100% |
| 2,2 | . | 1 | . | . | 100% |



\* Correlations in omega are shown as the off-diagonal elements. SAME blocks are not shown.