

Individual Noncompartmental Analysis Result

GROUP=G10

NONCOMPARTMENTAL ANALYSIS REPORT  
Package version 0.5.0 (2023-11-19)  
R version 4.4.0 (2024-04-24 ucrt)

Date and Time: 2024-09-25 18:16:35.983037 Asia/Seoul

Calculation Setting

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Drug Administration: Bolus IV  
Observation count excluding trailing zero: 3  
Dose at time 0: 1.2 mg  
AUC Calculation Method: Linear-up Linear-down  
Weighting for lambda z: Uniform (Ordinary Least Square, OLS)  
Lambda z selection criterion: Highest adjusted R-squared value with precision=1e-4

Fitting, AUC, AUMC Result

Time	Conc.	Pred.	Residual	AUC	AUMC
-----					
0.0000 +	584.9965			0.0000	0.0000
336.0000 *	167.1808	179.3961	-1.222e+01	126365.7816	9437021.8588
672.0000 *	47.7771	41.4922	+6.285e+00	162478.7048	24267884.3762
1008.0000 *	8.9432	9.5966	-6.534e-01	172007.7099	31176201.1979

+: Back extrapolated concentration  
\*: Used for the calculation of Lambda z.

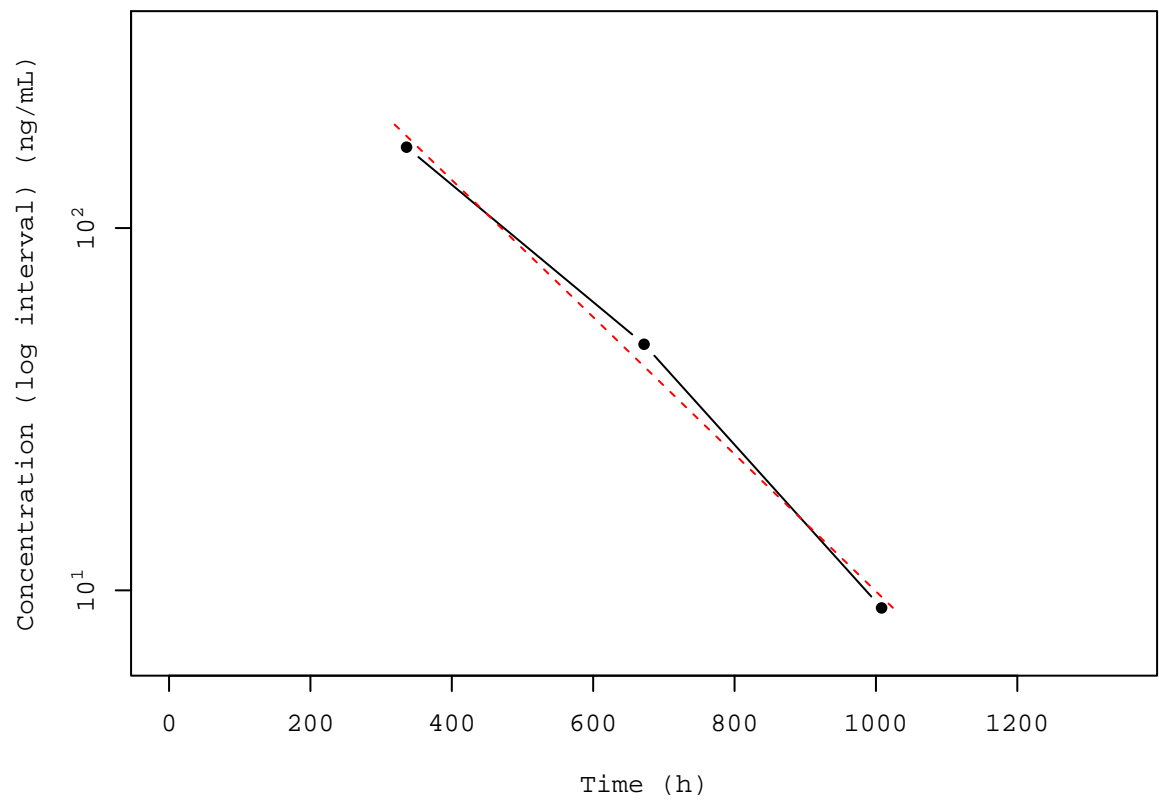
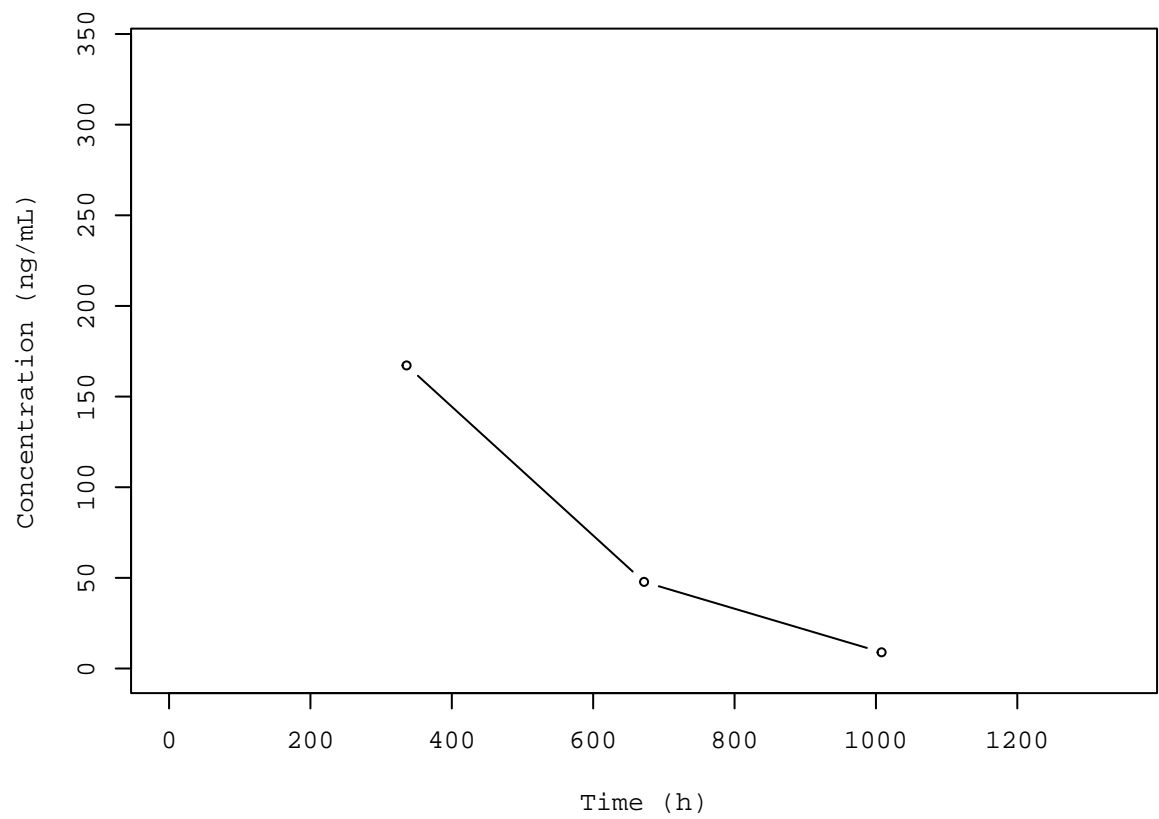
Calculated Values

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CMAX	Max Conc	167.1808 ug/L
CMAXD	Max Conc Norm by Dose	139.3173 ug/L/mg
TMAX	Time of CMAX	336.0000 h
CLST	Last Nonzero Conc	8.9432 ug/L
CLSTP	Last Nonzero Conc Pred	9.5966 ug/L
TLST	Time of Last Nonzero Conc	1008.0000 h
LAMZHL	Half-Life Lambda z	159.0730 h
LAMZ	Lambda z	0.0044 /h
LAMZLL	Lambda z Lower Limit	336.0000 h
LAMZUL	Lambda z Upper Limit	1008.0000 h
LAMZNPT	Number of Points for Lambda z	3
CORRXY	Correlation Between TimeX and Log ConcY	-0.9965
R2	R Squared	0.9931
R2ADJ	R Squared Adjusted	0.9862
AUCLST	AUC to Last Nonzero Conc	172007.7099 h*ug/L
AUCALL	AUC All	172007.7099 h*ug/L
AUCIFO	AUC Infinity Obs	174060.1178 h*ug/L
AUCIFOD	AUC Infinity Obs Norm by Dose	145050.0981 h*ug/L/mg
AUCIFP	AUC Infinity Pred	174210.0803 h*ug/L
AUCIFPD	AUC Infinity Pred Norm by Dose	145175.0669 h*ug/L/mg
AUCPEO	AUC %Extrapolation Obs	1.1791 %
AUCPEP	AUC %Extrapolation Pred	1.2642 %
AUMCLST	AUMC to Last Nonzero Conc	31176201.1979 h2*ug/L

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AUMCIFO	AUMC Infinity Obs	33716043.2809	h2*ug/L
AUMCIFP	AUMC Infinity Pred	33901620.9289	h2*ug/L
AUMCPEO	AUMC %Extrapolation Obs	7.5330	%
AUMCPEP	AUMC % Extrapolation Pred	8.0392	%
C0	Initial Conc	584.9965	ug/L
AUCPBEO	AUC %Back Extrapolation Obs	72.5989	%
AUCPBEP	AUC %Back Extrapolation Pred	72.5364	%
VZO	Vz Obs	1.5822	L
VZP	Vz Pred	1.5808	L
CLO	Total CL Obs	0.0069	L/h
CLP	Total CL Pred	0.0069	L/h
MRTIVLST	MRT Intravasc to Last Nonzero Conc	181.2489	h
MRTIVIFO	MRT Intravasc Infinity Obs	193.7034	h
MRTIVIFP	MRT Intravasc Infinity Pred	194.6019	h
VSSO	Vol Dist Steady State Obs	1.3354	L
VSSP	Vol Dist Steady State Pred	1.3405	L

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Package version 0.5.0 (2023-11-19)  
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Date and Time: 2024-09-25 18:16:35.998614 Asia/Seoul

Calculation Setting

-----  
Drug Administration: Bolus IV  
Observation count excluding trailing zero: 4  
Dose at time 0: 1.2 mg  
AUC Calculation Method: Linear-up Linear-down  
Weighting for lambda z: Uniform (Ordinary Least Square, OLS)  
Lambda z selection criterion: Highest adjusted R-squared value with precision=1e-4

Fitting, AUC, AUMC Result

Time	Conc.	Pred.	Residual	AUC	AUMC
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0.0000 +	851.2451			0.0000	0.0000
336.0000 *	339.4138	371.3957	-3.198e+01	200030.7016	19159231.0573
672.0000 *	135.3332	91.0912	+4.424e+01	279788.2025	53597040.6142
1008.0000 *	13.2612	22.3417	-9.081e+00	304752.0584	71121318.0461
1344.0000 *	6.7994	5.4797	+1.320e+00	308122.2288	74902260.8050

+: Back extrapolated concentration  
\*: Used for the calculation of Lambda z.

Calculated Values

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CMAX	Max Conc	339.4138 ug/L
CMAXD	Max Conc Norm by Dose	282.8448 ug/L/mg
TMAX	Time of CMAX	336.0000 h
CLST	Last Nonzero Conc	6.7994 ug/L
CLSTP	Last Nonzero Conc Pred	5.4797 ug/L
TLST	Time of Last Nonzero Conc	1344.0000 h
LAMZHL	Half-Life Lambda z	165.7153 h
LAMZ	Lambda z	0.0042 /h
LAMZLL	Lambda z Lower Limit	336.0000 h
LAMZUL	Lambda z Upper Limit	1344.0000 h
LAMZNPT	Number of Points for Lambda z	4
CORRXY	Correlation Between TimeX and Log ConcY	-0.9764
R2	R Squared	0.9533
R2ADJ	R Squared Adjusted	0.9300
AUCLST	AUC to Last Nonzero Conc	308122.2288 h*ug/L
AUCALL	AUC All	308122.2288 h*ug/L
AUCIFO	AUC Infinity Obs	309747.8000 h*ug/L
AUCIFOD	AUC Infinity Obs Norm by Dose	258123.1667 h*ug/L/mg
AUCIFP	AUC Infinity Pred	309432.2930 h*ug/L
AUCIFPD	AUC Infinity Pred Norm by Dose	257860.2442 h*ug/L/mg
AUCPEO	AUC %Extrapolation Obs	0.5248 %
AUCPEP	AUC %Extrapolation Pred	0.4234 %

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AUMCLST	AUMC to Last Nonzero Conc	74902260.8050 h2*ug/L
AUMCIFO	AUMC Infinity Obs	77475664.6099 h2*ug/L
AUMCIFP	AUMC Infinity Pred	76976192.8390 h2*ug/L
AUMCPEO	AUMC %Extrapolation Obs	3.3216 %
AUMCPEP	AUMC % Extrapolation Pred	2.6943 %
C0	Initial Conc	851.2451 ug/L
AUCPBEO	AUC %Back Extrapolation Obs	64.5786 %
AUCPBEP	AUC %Back Extrapolation Pred	64.6444 %
VZO	Vz Obs	0.9262 L
VZP	Vz Pred	0.9272 L
CLO	Total CL Obs	0.0039 L/h
CLP	Total CL Pred	0.0039 L/h
MRTIVLST	MRT Intravasc to Last Nonzero Conc	243.0927 h
MRTIVIFO	MRT Intravasc Infinity Obs	250.1250 h
MRTIVIFP	MRT Intravasc Infinity Pred	248.7659 h
VSSO	Vol Dist Steady State Obs	0.9690 L
VSSP	Vol Dist Steady State Pred	0.9647 L

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