

Experiment Number: C61541C

Route: Dosed Feed

Species/Strain: Mouse/B6C3F1

Toxicokinetics Data Summary

Test Compound: Codeine

CAS Number: 76-57-3

Date Report Requested: 12/29/2016

Time Report Requested: 15:21:25

Lab: Microbiological Associates
Inc._Burroughs Wellcome Company

Male

Treatment Groups (ppm)

750 #, 2 750 #, 3 750 *, 3 750 *, 2 750 o, 2 750 ~, 2 750 *, 1 750 #, 1 3000 #, 1 3000 *, 3 3000 ~, 2 3000 #, 2 3000 *, 2

Plasma

AUC_{0-t} (ng/mL*hr) 4940 3568 2214 3526 8418 90.6 4990 5914 24142 9928 30576 27966 13954

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Male

Treatment Groups (ppm)

3000 ~, 2 3000 *, 1 3000 #, 3 6000 *, 2 6000 #, 3 6000 *, 1 6000 ~, 2 6000 *, 3 6000 #, 1 6000 #, 2 6000 ~, 2

Plasma

AUC_{0-t} (ng/mL*hr) 254 13110 21860 16482 43942 19774 37528 17342 58122 45892 316

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Female

Treatment Groups (ppm)

750 #, 2	750 #, 3	750 *, 3	750 *, 2	750 °, 2	750 ~, 2	750 *, 1	750 #, 1	3000 #, 1	3000 *, 3	3000 °, 2	3000 #, 2	3000 *, 2
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Plasma

AUC _{0-t} (ng/mL*hr)	3088	3852	3128	1654	7948	80.6	9434	20710	41490	10050	26622	32702	11590
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Female

Treatment Groups (ppm)

3000[~], 2 3000^{*}, 1 3000[#], 3 6000⁺, 2 6000[#], 3 6000^{*}, 1 6000^o, 2 6000^{*}, 3 6000[#], 1 6000[#], 2 6000[~], 2

Plasma

AUC_{0-t} (ng/mL*hr) 261 16518 26160 12442 47604 25152 27276 13856 71098 56178 340

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LEGEND

Data are displayed as mean values

MODELING METHOD & BEST FIT MODEL

AUC values calculated using trapezoidal rule

ANALYTE

Norcodeine

* Codeine

~ Morphine

° Total Morphine

STUDY TIME

¹ 7 Day

² 21 Day

³ 90 Day

TK PARAMETERS

AUC_{0-t} = Area under the plasma concentration versus time curve, AUC, from time t_i (initial) to t_f (final), AUC_{last}

**** END OF REPORT ****