

Bioanalytical Method Summary

Determination of the irinotecan metabolites APC and NPC in human plasma samples by HPLC with fluorescence detection

Xendo method code	AI0106
Compound	APC (carbonyloxycamptothecin)
Structure	
Molecular Formula and weight	C33 H38 N4 O6, 618 Da
Internal standard	Camptothecin
Species and Matrix	human plasma
Calibration range (LLQ-HLQ)	1.00 - 100 ng/mL
Required sample volume	125 µL
Sample preparation	precipitation with MeOH
Quantitation method	HPLC-FL

Assay Performance

Precision & Accuracy		
concentration ng/mL	bias (%)	overall CV (%)
1.00	11.1	13.2
2.50	2.0	7.2
40.0	4.0	3.8
80.0	5.0	6.0

Stability etc.	
Dilution factor	10,100
Over-curve	400 ng/mL
F/T cycles	2
Autosampler	24 hours
Benchtop RT	
Extract 2-8 C	2 days

Contact

Marion Kranenborg, Ph.D.
 Manager Bioanalysis and Drug Metabolism
marion.kranenborg@xendo.com

Jelle Hempenius
 Senior Director Business Development
jelle.hempenius@xendo.com

Company address

Xendo Drug Development B.V.
 P.O. Box 137
 NL-9700 AC Groningen
 The Netherlands
 tel +31-50-3048000
<http://www.xendo.com>