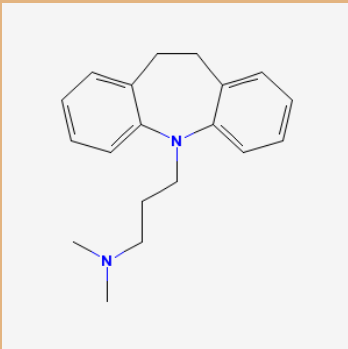


Bioanalytical Method Summary

Determination of imipramine and desipramine in human lithium heparin plasma samples by LC-MS/MS

Xendo method code	AI0221
Compound	Imipramine
Structure	
Molecular Formula and weight	C ₁₉ H ₂₄ N ₂ , 280.41 Da
Internal standard	Imipramine-d ₃
Species and Matrix	human plasma
Calibration range (LLQ-HLQ)	2.00 - 200 ng/mL
Required sample volume	100 µL
Sample preparation	LLE with ethylacetate/hexaan
Quantitation method	LC-MS/MS

Assay Performance

Precision & Accuracy			Stability etc.	
concentration ng/mL	bias (%)	overall CV (%)	Dilution factor	
2.00	2.8	4.4	Over-curve	10
6.00	-1.1	3.0	F/T cycles	1600 ng/mL
100	-3.0	3.2	Autosampler	3
160	-8.7	3.3	Benchtop RT	24 hours (RT)
			Extract 2-8 C	

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