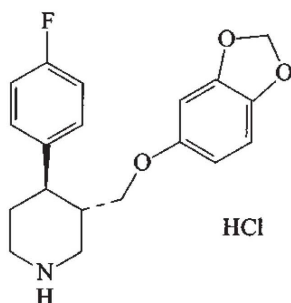


## Paroxetine in K<sub>3</sub>EDTA Human Plasma

<b>Sample Matrix</b>	K <sub>3</sub> EDTA Human Plasma
<b>Internal Standard</b>	Paroxetine-d6
<b>Instrumental Technique</b>	LC-MS/MS
<b>Extraction</b>	Liquid/liquid
<b>Regression Type and Weighting Factor</b>	Quadratic regression with 1/concentration <sup>2</sup> weighting, quantitation by peak area ratio
<b>Sample Volume</b>	100 µL (for each analysis)
<b>Calibration Curve</b>	60.0 ng/mL to 0.100 ng/mL
<b>Quality Control Samples</b>	Over-range QC 500 ng/mL, 50.0, 25.0, and 0.300 ng/mL
<b>LLOQ Bias</b>	2%
<b>LLOQ Precision</b>	13.7%
<b>Intra-day QC Bias</b>	-3.2% to 6.4%
<b>Intra-day QC Precision</b>	2.8% or better
<b>Inter-day QC Bias</b>	-1.6% to 3.6%
<b>Inter-day QC Precision</b>	2.1% or better
<b>Dilution Integrity</b>	Dilution factor of 100 verified
<b>Matrix Stability at Room Temperature</b>	At least 48 hours
<b>Extract Stability at Room Temperature</b>	At least 48 hours
<b>Freeze/Thaw Stability</b>	4 cycles at approximately -80°C
<b>Long Term Matrix Stability</b>	At least 47 days at approximately -80°C
<b>Stock Solution Stability at Room Temperature</b>	At least 6 hours
<b>Stock Solution Stability at -20°C</b>	At least 52 days

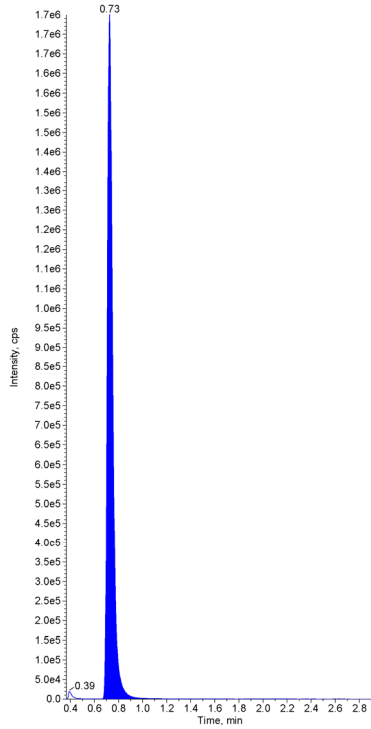
Paroxetine



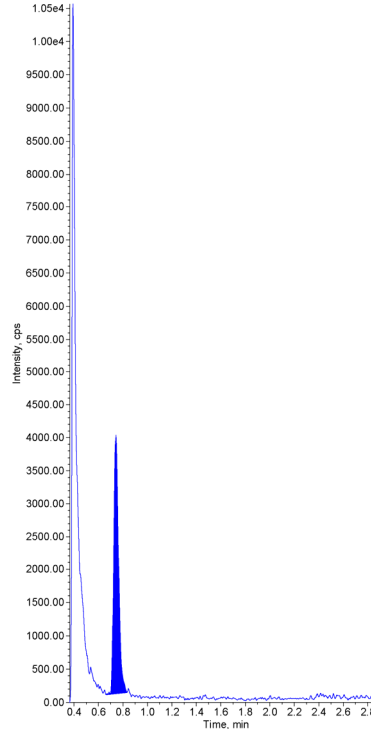
### Features

- Selective liquid-liquid extraction using deep well plates.
- Large run sizes (3 plates per run).
- Study-specific QC samples.

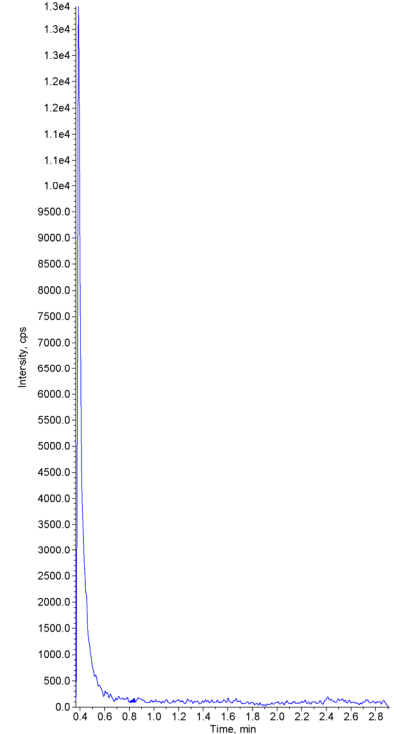
**Figure 1. Chromatogram of High Calibration Standard**



**Figure 2. Chromatogram of Low Calibration Standard**



**Figure 3. Chromatogram of Blank Matrix**



**Table 1. Calibration Standard Statistics**

	STD 0.100	STD 0.200	STD 1.00	STD 6.00	STD 12.0	STD 30.0	STD 48.0	STD 60.0
%CV	2.9	3	2.3	1.9	3.7	1.4	1.2	1.2
%Bias	1	-2.5	-0.2	2.7	-2.5	2.3	-0.8	-0.2
n	12	12	12	12	12	12	12	12

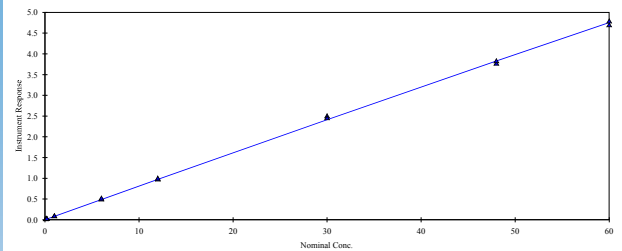
**Table 2. Intra-Assay Quality Control Sample Statistics**

	Curve Number	LLOQ 0.100 ng/mL	Low 0.300 ng/mL	Mid 25.0 ng/mL	High 50.0 ng/mL
Intraran %CV	12	3.4	1.8	1.3	1.1
Intraran %Bias		-0.5	1.3	3.6	-1
Intraran %CV	13	3.7	2.8	1.1	1.2
Intraran %Bias		1	2	3.6	-1.6
Intraran %CV	14	5.4	1.2	1.2	1.2
Intraran %Bias		3	2.3	1.6	-3.2
Intraran %CV	15	3.3	1.2	0.7	0.9
Intraran %Bias		2	5	6.4	-0.2
Intraran %CV	16	2.1	1.1	1	0.9
Intraran %Bias		3	2.3	4.4	-2.6
Intraran %CV	21		2	0.8	1.2
Intraran %Bias			4.7	0.8	-1.4

**Table 3. Inter-Assay Quality Control Sample Statistics**

	LLOQ 0.100 ng/mL	Low 0.300 ng/mL	Mid 25.0 ng/mL	High 50.0 ng/mL
%CV	3.7	2.1	2	1.4
%Bias	2	3	3.6	-1.6
n	30	36	36	36

**Figure 4. Typical Calibration Curve**



**Table 4. Between Subject Variability**

Samples	BSAP 25.0 ng/mL
Subject A	24.6
Subject B	25.3
Subject C	23.6
Subject D	26.2
Subject E	24.8
Subject F	26.1
Intraran Mean	25.1
Intraran %CV	3.9
Intraran %Bias	0.4
n	6

