

# XtrackT<sup>®</sup> Micro

UCT's All New Microelution Plate Product Line

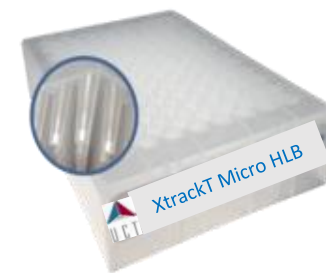
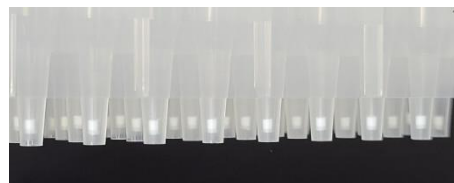


# UCT



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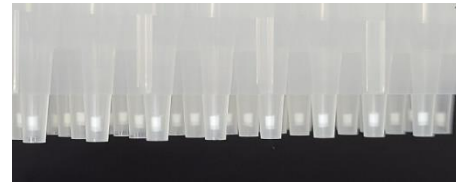
# Product Details



**What is UCT XtrackT® Micro plates:** 96 well plates feature SPE disk technology designed for sample clean-up and analyte enrichment for manual and automated high throughput sample prep workflows. Each well of the plate contains 2 mg of polymeric sorbent, allowing elution volume as low as 30  $\mu$ L, producing sensitive extraction up to 13-fold increase in concentration. XtrackT® Micro plates includes 4 chemistries: **HLB**, **MMCX**, **SCX** and **SAX**.

HLB	PS-DVB bonded with hydrophilic moieties
MMCX	Mix-mode, strong cation exchange.
SCX	Strong cation exchange
SAX	Strong anion exchange

# Product Details



## Features:

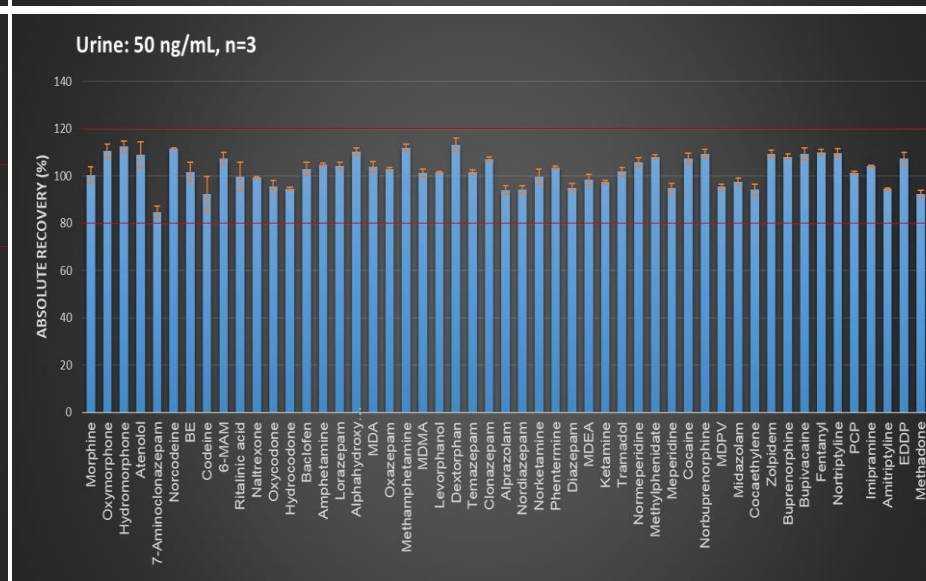
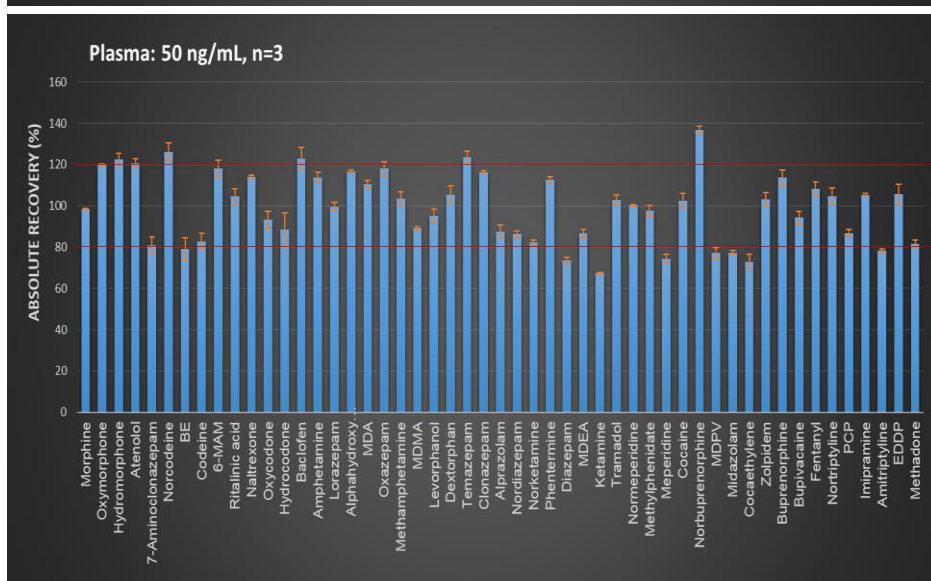
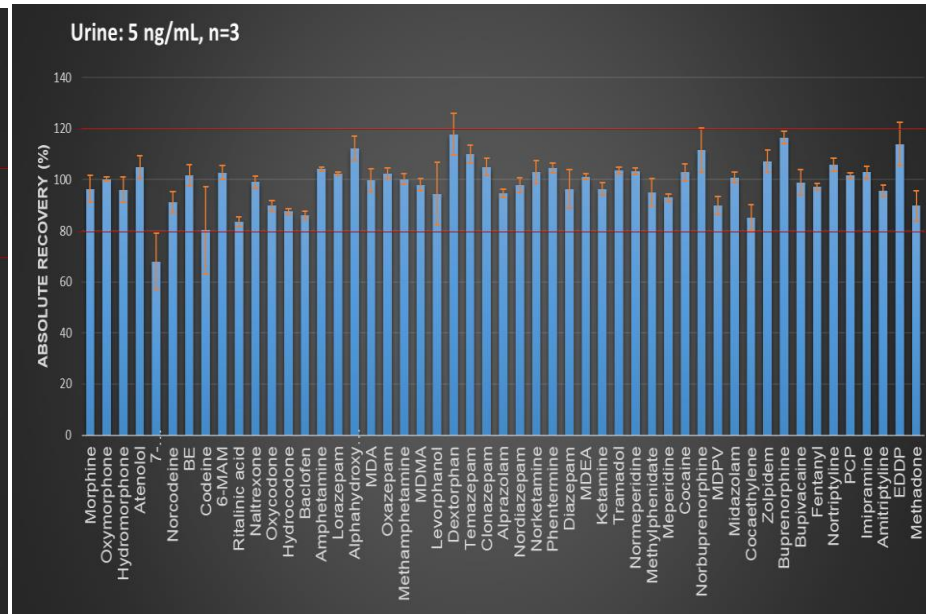
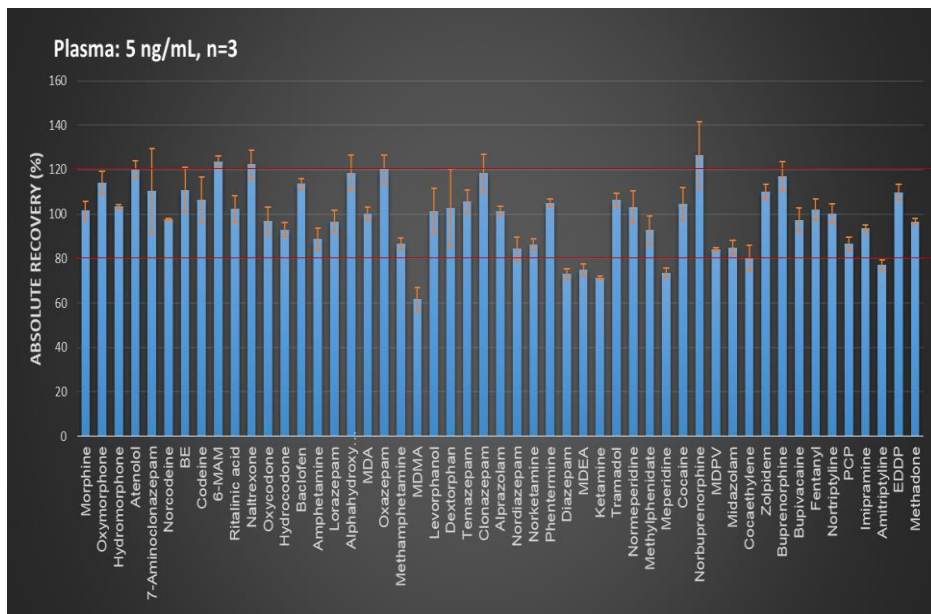
- High sample recoveries and cleaner extractions in a variety of matrices.
- No additional frits required to immobilize column beds, ensuring excellent reproducibility
- Enhanced extraction workflows through the elimination of dry down, contributing to overall time savings.
- Small elution volume and improved extraction sensitivity, contributing to overall cost-savings.
- Compatible with most automated liquid-handling systems for high throughput SPE.
- Convenient all-in-one package including XtrackT® Microextraction plate, collection plate, and sealing film.

# General Extraction Method Guidelines

	MMCX	HLB	SAX
<b>Sample Prep</b>	<ul style="list-style-type: none"> <li>• 100 µL sample + ISTD</li> <li>• 100 µL pH 6.0 Phosphate buffer</li> </ul>	<ul style="list-style-type: none"> <li>• 100 µL sample + ISTD</li> <li>• 400 µL pH 10.0 Sodium carbonate buffer</li> </ul>	<ul style="list-style-type: none"> <li>• 100 µL sample + ISTD</li> <li>• 100 µL pH 6.0 Phosphate buffer</li> </ul>
<b>Condition</b>	<ul style="list-style-type: none"> <li>• 100 µL MeOH</li> <li>• 100 µL pH 6.0 Phosphate buffer</li> </ul>	<ul style="list-style-type: none"> <li>• 100 µL MeOH</li> <li>• 100 µL pH 10.0 Sodium carbonate buffer</li> </ul>	<ul style="list-style-type: none"> <li>• 100 µL MeOH</li> <li>• 100 µL pH 6.0 PB</li> </ul>
<b>Load</b>	<ul style="list-style-type: none"> <li>• 100 µL</li> </ul>	<ul style="list-style-type: none"> <li>• 400 µL</li> </ul>	<ul style="list-style-type: none"> <li>• 100 µL</li> </ul>
<b>Wash</b>	<ul style="list-style-type: none"> <li>• 100 µL 100 mM Glacial acetic acid in DI H<sub>2</sub>O</li> <li>• 100 µL 40% MeOH</li> </ul>	<ul style="list-style-type: none"> <li>• 100 µL 5% MeOH in DI H<sub>2</sub>O</li> </ul>	<ul style="list-style-type: none"> <li>• 100 µL DI H<sub>2</sub>O</li> </ul>
<b>Elute</b>	<ul style="list-style-type: none"> <li>• 50 µL 2% NH<sub>4</sub>OH in MeOH</li> <li>• Add 50 µL 2% Formic acid in DI H<sub>2</sub>O</li> </ul>	<ul style="list-style-type: none"> <li>• 50 µL 2% Formic acid in MeOH</li> <li>• Add 50 µL DI H<sub>2</sub>O</li> </ul>	<ul style="list-style-type: none"> <li>• 50 µL 2% FA in MeOH</li> <li>• Add 50 µL DI H<sub>2</sub>O</li> </ul>

# UCT XtrackT® Micro-MMCX

## Drugs of Abuse Panel in urine and plasma



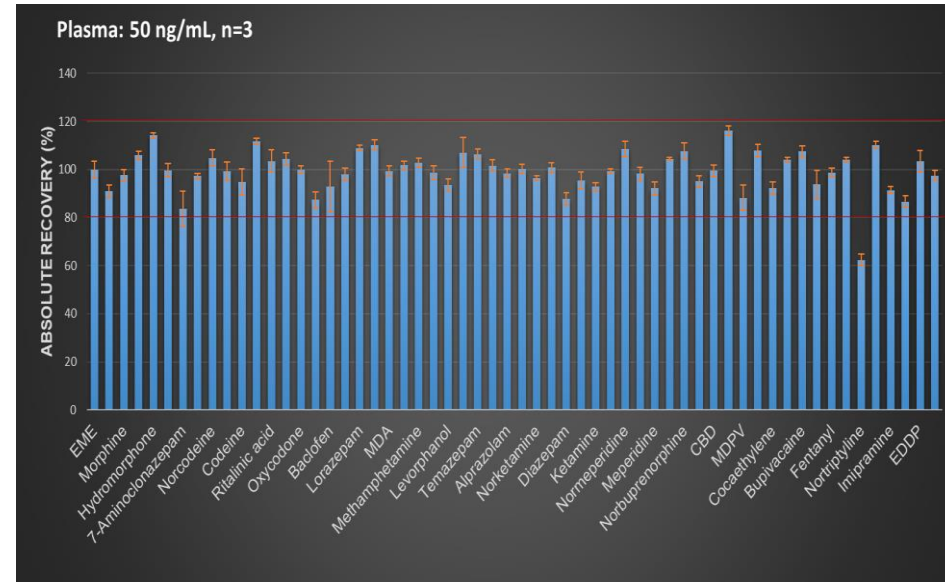
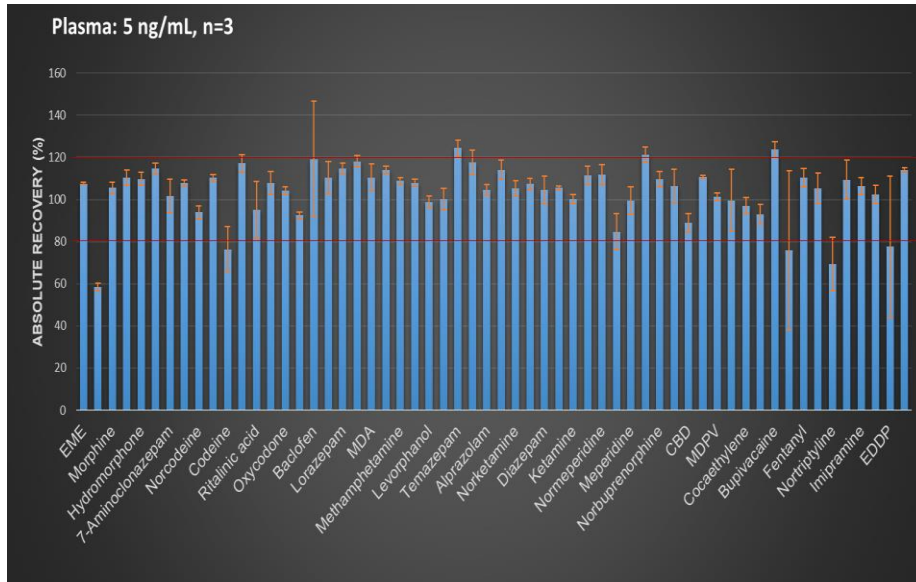
# UCT XtrackT® Micro-MMCX

## Summary:

- A panel of 51 drugs of abuse, including opioids, cocaine and metabolites, benzodiazepines, and amphetamines, were spiked into plasma and urine samples at a concentration of 5 ng/mL and 50ng/mL.
- Analytes were extracted by XtrackT® Micro MMCX plates, and recoveries were evaluated.
- Recoveries of 51 drugs 75-120%, RSD <10%



# UCT XtrackT® Micro-HLB



## Summary

- A panel of 51 drugs of abuse, including opioids, cocaine and metabolites, benzodiazepines, and amphetamines, were spiked into plasma samples at a concentration of 5 ng/mL and 50ng/mL.
- Analytes were extracted by XtrackT® Micro HLB plates, and recoveries were evaluated.
- Recoveries of 51 drugs 80-110%, RSD <10%