



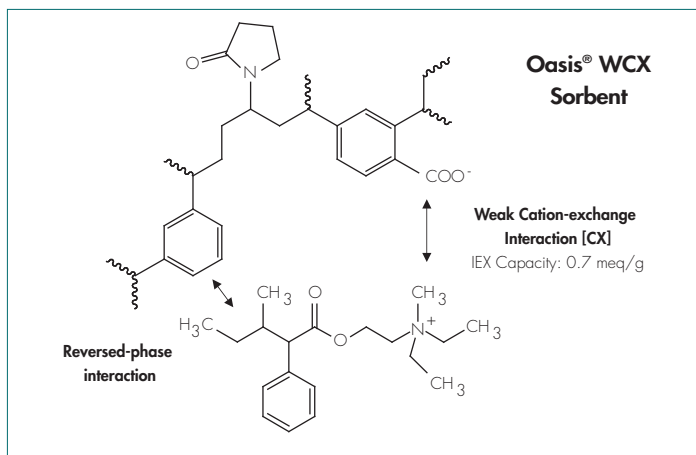
New!

Oasis® WCX SPE Products for Strongly Basic Compounds

Waters
OASIS®
SAMPLE EXTRACTION PRODUCTS

Generic Oasis® WCX Method for Plasma Samples

Format: Oasis® WCX 30 µm 96-well µElution Plate (P/N 186002499)



Oasis® WCX for Mixed-Mode SPE

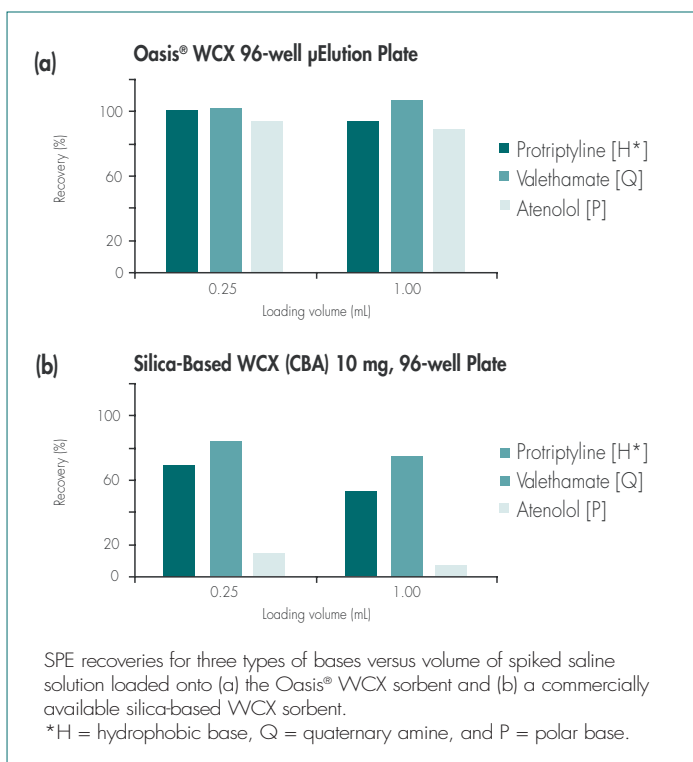
The new Oasis® WCX (Weak Cation eXchange) SPE sorbent was developed to provide superior sample preparation for strong bases and quaternary amines. The retention mechanism is mixed-mode, i.e., both ion-exchange and reversed-phase. This improves retention for, as well as the ability to elute all types of basic analytes, especially strong bases and quaternary amines.

Condition: 200 µL MeOH
Equilibrate: 200 µL water.
Load: 1.50 µL of spiked rat plasma*
Wash 1: 200 µL of 25 mM phosphate buffer, pH 7.0
Wash 2: 200 µL of MeOH
Elute: 50 µL (25 µL x 2) of MeOH containing 2% formic acid
Dilute and neutralize: 100 µL of water containing 5% NH ₄ OH

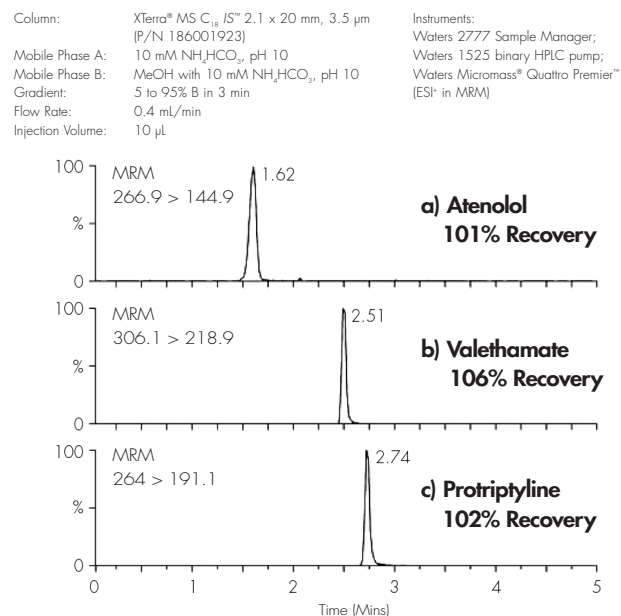
*Sample Pre-Treatment

Spike rat plasma separately with valethamate, proprietyline, and atenolol (each 10 ng/mL). Acidify with H₃PO₄ (2% of total sample volume) for proprietyline only.

Recovery Data for Three Types of Basic Compounds* from Oasis® WCX vs. Silica-Based WCX Products



Excellent Recovery for Quaternary Amines as well as for Polar and Hydrophobic Bases



LC/MS/MS chromatograms of the analytes (a) polar base, (b) quaternary amine, and (c) hydrophobic base) extracted from rat plasma with Oasis® WCX 96-well µElution plate. The SPE recoveries were calculated by comparison to postextracted spiked plasma samples.

Ordering Information

NEW Oasis® WCX Sample Extraction Products for (Weak Cation-Exchange)

Description	Particle Size	Quantity	Part No.
NEW Oasis® WCX 1 cc Cartridge	30 µm	100/box	186002494
NEW Oasis® WCX 3 cc Cartridge	30 µm	100/box	186002495
NEW Oasis® WCX 6 cc Cartridge	30 µm	30/box	186002498
NEW Oasis® WCX 1 cc Cartridge	60 µm	100/box	186002496
NEW Oasis® WCX 3 cc Cartridge	60 µm	100/box	186002497
NEW Oasis® WCX µElution plate	96-well	30 µm	186002499
NEW Oasis® WCX 96-well plate	10 mg/96-well	30 µm	186002501
NEW Oasis® WCX 96-well plate	30 mg/96-well	30 µm	186002503
NEW Oasis® WCX 2.1 x 20 mm column	30 µm		186002505
NEW Oasis® WCX 3.9 x 20 mm column	30 µm		186002507
NEW Oasis® WCX 2.1 x 20 mm column	5 µm		186002510
NEW Oasis® WCX 3.9 x 20 mm column	5 µm		186002512

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All other countries: Waters Corporation U.S.A. 508 478 2000/800 252 4752



The quality management system of Waters' manufacturing facilities in Taunton, Massachusetts and Wexford, Ireland complies with the International Standard ISO 9001:2000 Quality Management and Quality Assurance Standards. Waters' quality management system is periodically audited by the registering body to ensure compliance.

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