METHODOLOGY-SECTION 1: OASIS® GENERIC METHODOLOGY

In the next four sections, we will describe a simple straightforward method development strategy (using Oasis® chemistries, organic concentration, and pH). The goal of this strategy is to selectively isolate analytes of interest from complex sample matrices; thus enhancing the cleanliness and sensitivity of extracts.

- Section 1 Oasis[®] Generic Methodology
 Section 2 Oasis[®] Reversed-Phase (HLB) Optimized Methodology
- Section 3 Oasis[®] Mixed-Mode (MCX/MAX) Optimized Methodology
- Section 4 Oasis[®] Advanced Methodology

SECTION 1: OASIS® GENERIC METHODOLOGY

General protocols designed to work for most analytes in many matrices. These methods are the recommended starting point for your SPE.



*Note: If analyte pka \leq 3 use 0.1 N HCl or 2% TFA in methanol

RECOMMENDED VOLUME (ML) FOR THE GENERIC METHODS

	CARTRIDGE			96-WELL PLATE				µELUTION PLATE
Cartridge size/ sorbent mass	l cc	3 сс	6 сс	5 mg	10 mg	30 mg	60 mg	2 mg
Condition/ Equilibration mL	1	2	3	0.2	0.5	0.5-1	0.5-2	0.2
Load* mL	1	2	5	1	1-2	1-2	1-2	Up to 0.75
Wash mL	1	2	4	0.2	0.5	0.5-1	1-2	0.2
Elute mL]	2	4	0.05-0.2	0.15-0.3	0.4-1.0	0.8-2	0.025-0.10

*Note: above listed sample volumes are for biological samples; for certain types of samples (i.e. drinking water) up to 20 times of sample solution is possible.