



FORENSICS



# XCEL<sup>®</sup> I vs. SLE



## XCEL® I A great choice for fast sample extraction and excellent analyte recoveries.

If you need a clean, concentrated sample extract in a hurry then you should check out XCEL® I. Compared to SLE you will get faster sample prep times, a more robust extraction, and excellent analyte recoveries.

### Sample Prep

XCEL® I	1.44* Hours
SLE	1.85* Hours

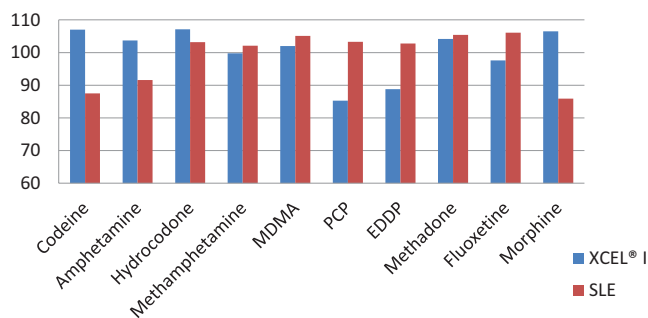
**XCEL® I is 25 minutes Faster!**

### Solvent Usage

XCEL® I	6* mL
SLE	7* mL

**It's a small difference, but over 1000's of samples it can mean significant savings!**

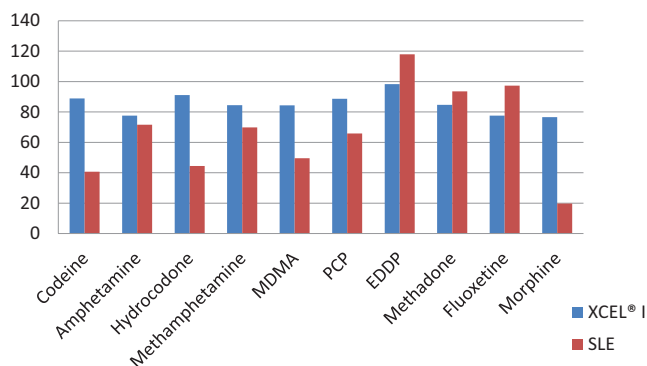
### Relative Analyte Recovery



**XCEL® I is extremely competitive with relative SLE recoveries for a wide range of drug compounds.**

More importantly, we also looked at overall extraction efficiency; evaluating analyte recovery based on absolute area counts of the peaks without a compensating factor from the internal standard. Based on absolute recoveries, XCEL® I performed significantly better for many of the extracted compounds.

### Extraction Efficiency



**XCEL® I generally offers a more complete sample extraction than SLE**

XCEL® I was specifically designed to give high throughput labs an option for faster sample turn around time, while still maintaining a superior or elevated level of analyte recovery, no sample dilution, and extracts free of co-extractives that can shorten the lifetime of analytical columns and foul detector sources.

In addition, SLE is a naturally mined material whereas the XCEL® I material is reproducibly manufactured to exacting standards. This minimizes lot-to-lot and tube-to-tube variability which provides greater consistency in the results. The procedures for extraction are robust and easily mastered resulting in less technician-to-technician variability.

If you are looking for faster sample throughput than traditional SPE while still obtaining clean samples and excellent analyte recovery than XCEL® I is a great first choice.

\*Volumes and prep times are based on manufacturer's recommended extraction procedures.



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