Sample Preparation of Biological Matrices

Sample Matrix

PLASMA/ WHOLE BLOOD

Sensitivity *is OK?* ✓

Sensitivity *is not OK?* ✗

Ostro™ PASS-THROUGH SAMPLE PREPARATION PRODUCT

URINE

TISSUE

OASIS™ PRiME

simpler, cleaner, faster

Oasis PRiME HLB

- Reversed-phase SPE clean-up of samples for routine analysis
- Simplified protocols
- Removes salts, proteins, phospholipids, fats, and pigments
- Acids, bases, and neutrals

Oasis PRiME MCX

- Mixed-mode SPE clean-up of basic compounds
- Simplified protocols
- Removes salts, proteins, phospholipids, fats, and pigments
- Specificity for bases $pk_a \geq 4.5$

Do you need more specificity or a cleaner matrix?

Is SPE Method Development needed?

Zwitterions?

Do you need higher specificity for sensitivity or ionizable compounds?

Oasis HLB

- High capacity of very polar compounds
- Acids, bases, and neutrals

Oasis MAX

- **M**ixed-mode strong **A**nion-e**X**change
- Acids pk_a 2–8

Oasis WAX

- Mixed-mode **W**eak **A**nion-e**X**change
- Strong acids pk_a<1

Oasis MCX

- **M**ixed-mode strong **C**ation-e**X**change
- Bases pk_a 2–10

Oasis WCX

- Mixed-mode **W**eak **C**ation-e**X**change
- Strong bases pk_a>10

OASIS™ SAMPLE EXTRACTION PRODUCTS

Follow the Oasis 2 x 4 Method Development Protocol

- For more information take a look at our Oasis Reference Cards, 720005685EN

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