

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE131**ISOLATING DRUGS OF ABUSE FROM URINE****Spe-ed™ Cartridge**

Cat. No. 4010-Screen N unbuffered, 10mL;
Or Cat. No.4012- Screen B buffered, 10mL;
Or Cat. No. 4020- Screen N unbuffered, 20mL; or Cat. No.
4022- Screen N buffered, 20mL.

Sample Preparation

For *Spe-ed* Screen –N, add 1mL of saturated ammonium chloride (pH 9) to 10mL of urine, or 20mL to 20mL of urine. *Spe-ed* Screen-B requires no buffering prior to sample addition.

Sample Addition

Add up to 10mL (Cat. Nos. 4010, 4012) or 20mL (Cat. Nos. 4020, 4022) of the sample. Allow to absorb by gravity.

Analyte Elution

Add 2 sequential 8mL (Cat. Nos. 4010, 4012) or 16mL (Cat. Nos. 4020, 4022) volumes of 90% methylene chloride / 10% isopropanol and allow to elute by gravity. Collect eluate. After completing elution, evaporate to dryness at 52°C. Reconstitute in 20uL of methanol and apply to TLC plate.

The logo for Applied Separations, featuring the company name in a bold, italicized sans-serif font. The word "Applied" is positioned above "Separations", and there are several horizontal lines to the left of the text.

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