

**SPE**Solid Phase  
Extraction

# Application Note

World Leaders in Sample Preparation

**SPE132****ISOLATION OF VITAMINS A, D AND E FROM  
THERAGRAN AND THERAGRAN M****Spe-ed™ Cartridge**

Cat. No. 2053- C1 Methyl, 500mg/3mL.  
Process with *Spe-ed Mate*.

**Sample Preparation**

Dissolve ground table powder (1 tablet weight) in 10mL of absolute ethanol, and then heat solution at 50°C. For 2-3 minutes. Cool, and then dilute the supernatant with an equal amount of water.

**Cartridge  
Conditioning**

2 x 3mL of methanol, followed immediately by  
3mL of distilled water.

**DO NOT ALLOW CARTRIDGE TO RUN DRY!**

**Sample Addition**

Add up to 3mL of prepared sample aspirate sample completely from cartridge.

**Cartridge Wash**

2 sequential 0.5mL volumes of 50% acetonitrile / 50% distilled water.

**Analyte Elution**

3 sequential 0.5mL volumes of isopropanol. Vortex eluate and inject directly onto HPLC.

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 horizontal lines to the left of the text.

930 Hamilton Street · Allentown, PA 18101  
610-770-0900 · 610-740-5520 (fax)  
[www.appliedseparations.com](http://www.appliedseparations.com)