

# Avanti® Newsletter

Avanti  
World Leader  
in Lipid Analysis

## MAKE LUV's WITH ONE PHONE CALL

Avanti® not only offers the lipids you need to make vesicles but also supplies an extruder expressly designed to produce the small batches you require - the Mini-Extruder.

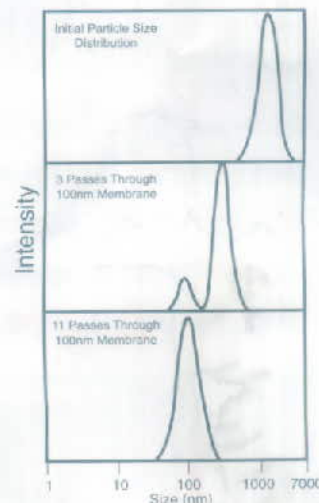


**The Mini-Extruder Start-up Kit includes 2 syringes, 100 PC membranes, 100 filter supports and heater block - all for \$525.00**

The particle size distribution of unilamellar vesicles prepared by extrusion is a function of the number of passes through the Extruder Membrane. Hydrated lipid solutions will initially form large, multi-lamellar vesicles. After the initial pass through a membrane, the particle size distribution will tend towards a bimodal distribution. After sufficient passes through the membrane, a unimodal, normal distribution is obtained.

Visit [avantilipids.com](http://avantilipids.com) for information on operating procedures, syringe sizes and the extensive selection of polycarbonate membranes available.

**Avanti, your one stop for supplies and hot tips on making LUV's**

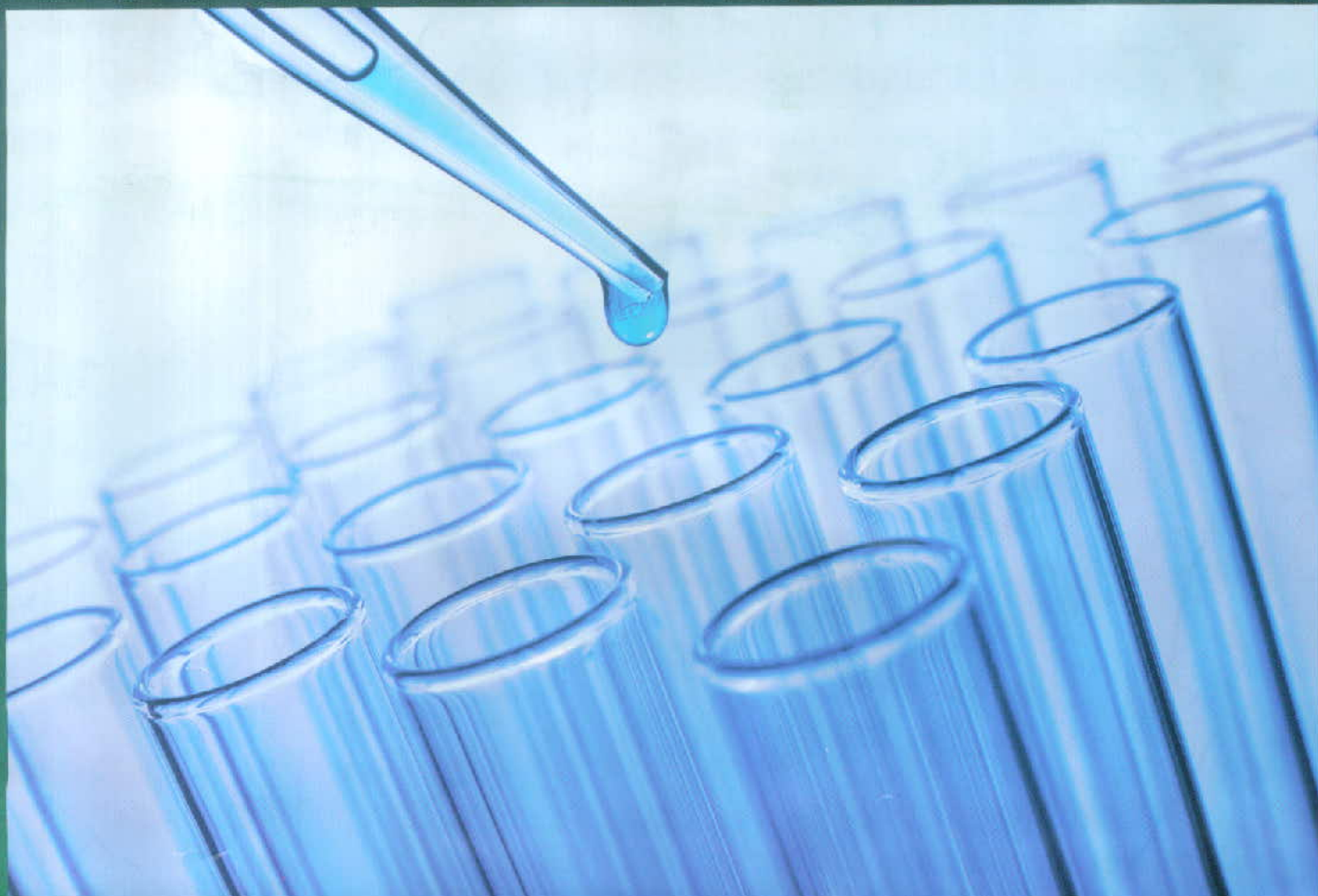


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**AVANTI FOR THE MS STANDARDS YOU CAN TRUST**



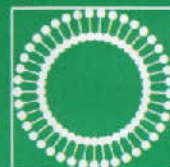
# AVANTI - YOUR BEST RESOURCE FOR LIPID ANALYSIS



**Raw Material Characterization & Identity Testing  
Bioanalytical Lipid Analysis, Lipidomics & Stability  
Lecithin Analysis, Soy PS Analysis, Gel Cap  
Analysis cGLP & 21CFR, part 11 Compliant  
Analysis Available**



**[www.avantilipids.com](http://www.avantilipids.com)  
[analysis@avantilipids.com](mailto:analysis@avantilipids.com)**



**Avanti<sup>®</sup>**  
POLAR LIPIDS, INC.



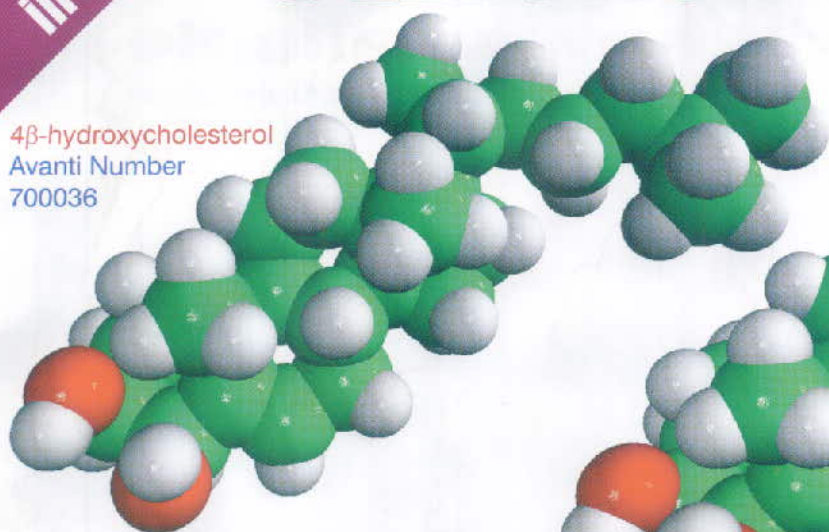
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# A STUPENDOUS SELECTION OF STEROLS

4 $\beta$ -hydroxycholesterol

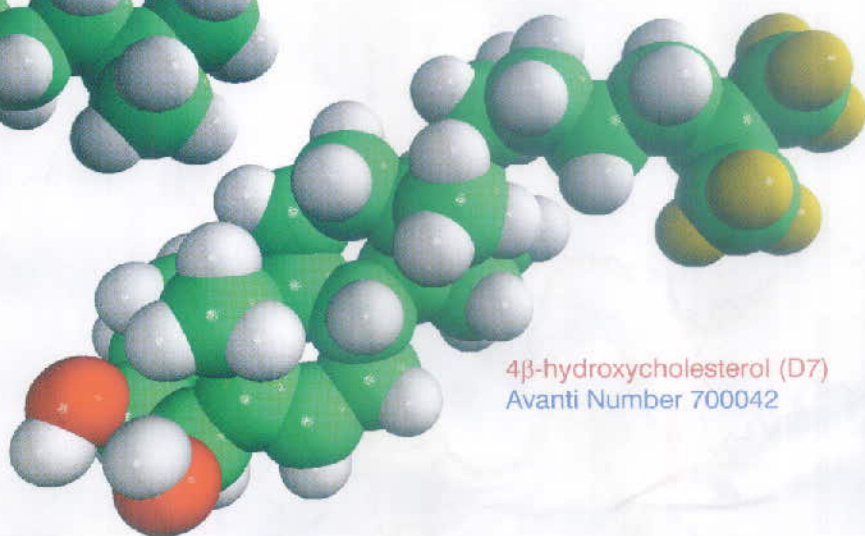
Avanti Number

700036



4 $\beta$ -hydroxycholesterol (D7)

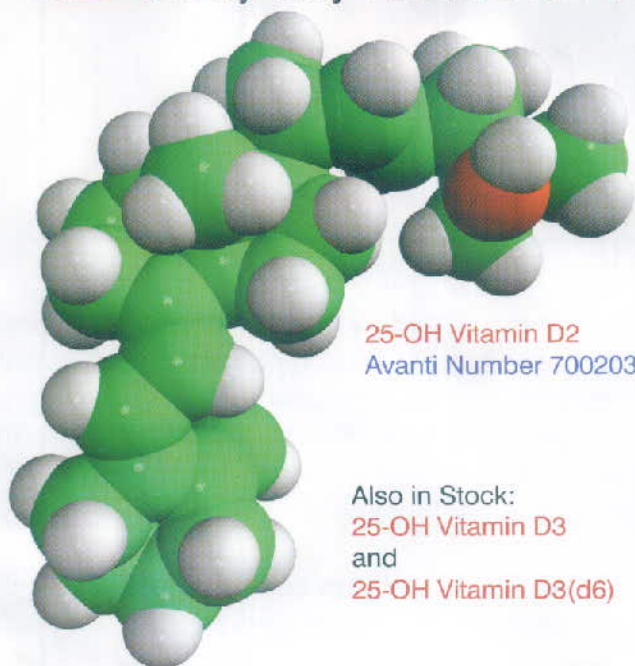
Avanti Number 700042



Avanti's stupendous selection  
of Sterols includes:

A-ring, B-ring, D-ring, Double & Side-chain Substituted Oxysterols,  
Fluorescent Sterols plus Fluorinated, Deuterated Derivatives &

**NEW** 25-Hydroxy Vitamin D for Diagnostics.



25-OH Vitamin D2

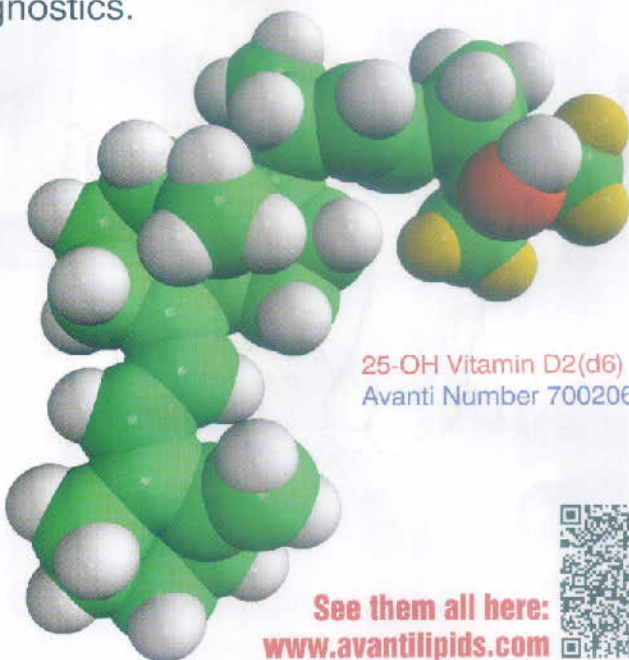
Avanti Number 700203

Also in Stock:

25-OH Vitamin D3

and

25-OH Vitamin D3(d6)



25-OH Vitamin D2(d6)

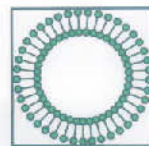
Avanti Number 700206

See them all here:  
[www.avantilipids.com](http://www.avantilipids.com)



For references and more details of these products visit -  
[www.avantilipids.com](http://www.avantilipids.com) or Email us: [info@avantilipids.com](mailto:info@avantilipids.com)

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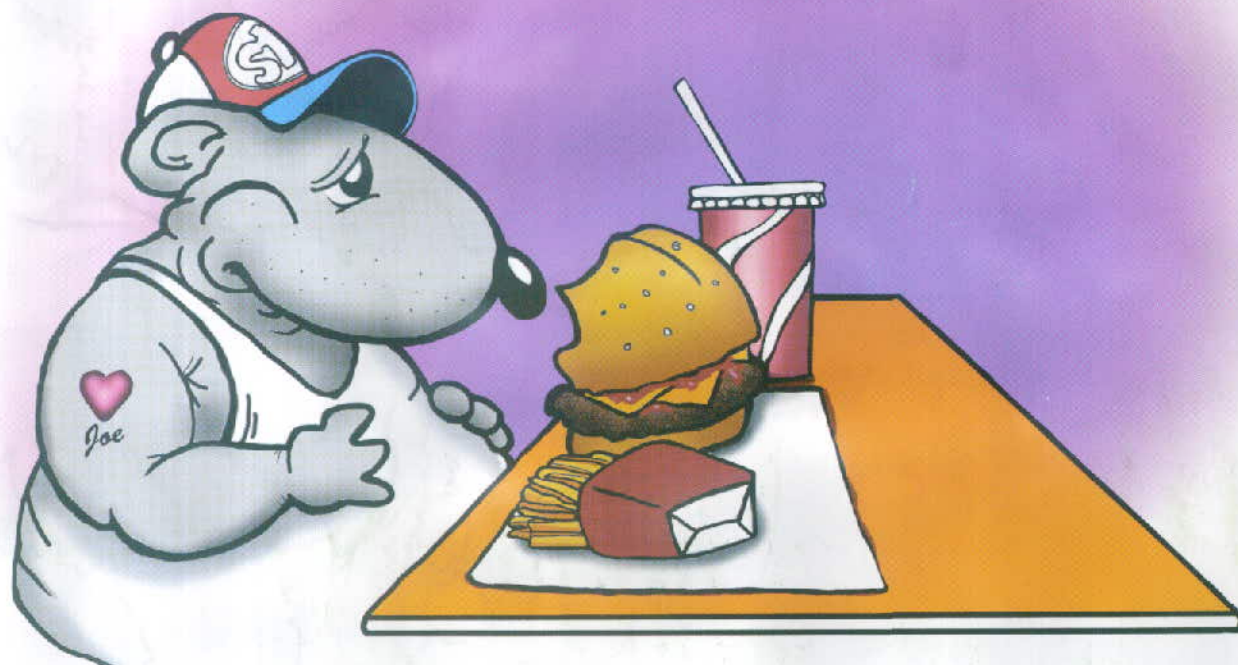
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POLAR LIPIDS, INC.



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## NEW ANTIBODY FOR ATHEROSCLEROSIS RESEARCH E06 Antibody Now Available

Avanti Number 330001



The E06 antibody is a murine monoclonal IgM natural antibody that binds to oxidized phospholipid and reacts with oxidized LDL, oxidized HDL and protein covalently modified by oxidized phospholipid. This antibody has been used to probe atherosclerotic plaque in mice, zebrafish, rabbits, monkeys and humans. It also binds to apoptotic cells, but not viable cells, and can be used in a variety of applications, including ELISA, immunohistochemistry and Western blot analysis, as well as for *in vivo* imaging with MRI techniques.

Avanti now provides high purity E06 from animal-free culture of hybridoma cells. Each batch is verified for activity and provided with detailed protocols for the above applications.

The E06 antibody was developed by Dr. Joseph Witztum at the University of California, San Diego using apolipoprotein E knock-out mice fed a high-fat diet for seven months.



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