



To: UPHS Physicians and Staff

From: **Department of Pathology and Laboratory Medicine, Division of Precision and Computational Diagnostics (PCD),  
Vivianna Van Deerlin, M.D., Ph.D., Director, Molecular Pathology Laboratory**

Date: January 24, 2025

Re: **IN-HOUSE TESTING AVAILABILITY: Apolipoprotein E (APOE) Genotyping for Cardiovascular Risk**

*APOE* genotyping for cardiovascular risk will be available in the Molecular Pathology Laboratory at the Hospital of the University of Pennsylvania on Monday, January 27th 2025. This assay will determine *APOE* genotype for risk stratification and/or assessment of hyperlipoproteinemia type III (HLP III) for the evaluation of early cardiovascular disease and it will replace the current send out test for cardiovascular risk.

### Reporting:

The following *APOE* genotypes will be reported: E2/E2, E2/E3, E2/E4, E3/E3, E3/E4, E4/E4.

The results will be reported in PennChart as both a full report and as discrete genotype results in the Precision Medicine tab.

### Test information:

<b>PennChart Ordering</b>	<p><b>"APOLIPOPROTEIN E (APOE) GENOTYPING, CARDIOVASCULAR RISK" (PxCode: APOECR)</b></p> <p><b>NOTE: For <i>APOE</i> Genotyping related to <u>Alzheimer's Risk</u>, please order, "APOLIPOPROTEIN E GENOTYPING, ALZHEIMER RISK" (PxCode: APOEAR)</b></p>
<b>Turnaround Time</b>	2-10 days
<b>Acceptable Specimens</b>	<p>Peripheral blood collected in an EDTA (lavender) tube</p> <p>OraCollect-Dx oral swabs or saliva</p> <p>Fresh/Frozen tissue</p> <p>Extracted DNA</p>

For more information call the Molecular Pathology Laboratory (215-615-3094) on weekdays during regular business hours. For information on ordering and specimen requirements, kindly consult the [Lab Test Services Guide](#).

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