

**Specialist Portfolio Clinical Chemistry Competence – 7.7 Lipids, Lipoproteins and Cardiovascular disease**

**Name:**

**To be signed off by appropriately qualified staff after satisfactory performance observed and knowledge displayed**

	Trainer		
	Name	Grade	Signature
<p><b>7.7a Major Lipids in Atherosclerosis and Cardiovascular Disease</b></p> <p><i>Be able to describe the relationship of major blood lipids to atherosclerosis and cardiovascular disease and associated investigations</i></p>			
Demonstrate an understanding of the implication of treating cardiovascular disease has on the NHS and the overall economic effect			
Show an awareness of the epidemiology of cardiovascular disease according to all associated risk factors			
Demonstrate an understanding of the implication of treating Chronic Heart Failure for the NHS with reference to the NICE guidelines			

<p><b>7.7b Diagnosis of Cardiovascular Disease</b></p> <p><i>Be able to perform investigations to assist in the diagnosis of cardiovascular risk factors</i></p>			
<p>Assess suitability of sample for analysis on the appropriate laboratory analyser and take appropriate action if not</p>			
<p>Perform the timely analysis and validation of lipids in serum/plasma</p>			
<p>Monitor results, consider possible interference, and take appropriate action</p>			
<p>Report results appropriate to the significance of the result</p>			
<p>Complete all relevant documentation in accordance with quality control and audit requirements</p>			
<p><b>7.7c Diagnosis of Cardiovascular Disease</b></p> <p><i>Be able to perform investigations to assist in the diagnosis of acute coronary syndrome</i></p>			
<p>Explain the laboratory role in the diagnosis, treatment and prognosis of a patient presenting with chest pain, against current national guidelines</p>			
<p>Assess suitability of sample for analysis on the appropriate laboratory analyser and take appropriate action if not</p>			

Perform the timely analysis and validation of: <ul style="list-style-type: none"> <li>• CK (and CK-MB if measured);</li> <li>• Troponin</li> </ul>			
Monitor results, consider possible interference, and take appropriate action			
Report results appropriate to the significance of the result			
Complete all relevant documentation in accordance with quality control and audit requirements			
<b>7.7d Diagnosis of Cardiovascular Disease</b> <i>Be able to perform investigations to assist in the diagnosis of Chronic Heart Failure (CHF)</i>			
Assess suitability of sample for analysis on the appropriate laboratory analyser and take appropriate action if not			
Perform the timely analysis and validation of BNP			
Monitor results, consider possible interference, and take appropriate action			

Report results appropriate to the significance of the result			
Complete all relevant documentation in accordance with quality control and audit requirements			