

Lab sheet #1**-Determination of triglyceride and HDL-cholesterol-****A. Method****1. Triglyceride determination:**

	Blank	Standard	Test
Reconstituted Reagent	1 ml	1 ml	1 ml
Pre-worm at 37°C for and add:			
Standard	---	0.01 ml (10 µl)	---
Sample	---	---	0.01 ml (10 µl)
Mix and incubate at 37°C for 10 min			
↓			
Read the absorbance of standard and sample at 505 nm against blank			

2. HDL-cholesterol determination:

	Blank	Standard	Test
Reagent R1	300 µl	300 µl	300 µl
Calibrator		3 µl	---
Serum		---	3 µl
Mix vigorously, let stand for 5 min at 37°C			
Read absorbance A1 at 600 nm against blank.			
Add Reagent R2	100 µl	100 µl	100 µl
Mix vigorously, let stand for 5 min at 37°C			
Read absorbance A2 at 600 nm against blank.			

B. Results and calculations

1. Triglyceride determination:

	Absorbance
Blank	
Standard	
Sample	
<p>Conc. of TG = (Abs. Std x Abs. Std.) X conc. of Std. (200 mg/dl) = ___ mg/dl</p> <hr/> <hr/> <hr/>	

2. HDL-cholesterol determination:

	A1	A2
Blank		
Standard		
Test		
<p>Conc. of HDL = (A2-A1 Test/ A2-A1 calibrator) x conc. of calibrator (90 mg/dl) = ___ mg/dl</p> <hr/> <hr/> <hr/>		