

4/22/70

N21

Name T. Aman, Lowry Protein Assay

Tube No.	Description of Sample	Sol. No.	Exp. No.	Dilution of Sample			Components of Reactions				
				H ₂ O μ l.	Sample μ l.	Fold dilution	Diluted Sample μ l.	H ₂ O μ l.	0.4N NaOH	Alk. CuSO ₄ Rept.	Folin Rept. cocktail
1	Water	4945		150	0				50	1ml	100ul
2	Water	4945		150							
3	Water	4945		150							
4	5 μ g. Albumin Std.	4531		145 5			5		50	1ml	100ul
5	10 μ g. Albumin Std.	4531		140 10			10		50		
6	15 μ g. Albumin Std.	4531		135 15			15		50		
7	20 μ g. Albumin Std.	4531		130 20			20		50		
	PBS (Lot # 900917, 3/18/70, M.I.H. Media).								50		
8							5		50		
9							10		50		
10							15		50		
11							20		50		
	Neuroblastoma N21, 6.81×10^5 /ml in PBS.								50		
12							5		50		
13							10		50		
14							15		50		
15							20		50		

Tube No.	A 750	Protein Assayed per μ l. of diluted sample	Protein Content of undiluted sample	Comment
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Name		Reagents used	Sol. #
Date		① Albumin Standard	4531
<u>Cuvette check with H₂O</u>		② Folin Reagent	
Cuvette No.	A 750	③ Alkaline Copper Sol.	
2	- 0.006	④ 2% Na ₂ CO ₃ in 0.2N NaOH	
3	+ 0.001	⑤ 2.0% Na Tartrate pH 6.0	
4	+ 0.002	⑥ 1% CuSO ₄ · 5H ₂ O	
		⑦ 0.4N NaOH	

μl. of Unknown per Reaction

5 10 15 20 25 30

EUGENE DIETZGEN CO.
MADE IN U. S. A.

0.6

0.5

0.4

A 750 mμ

0.3

0.2

0.1

0

5 10 15 20 25 30

μg Albumin Standard Protein per Reaction

NO. 341-20 DIETZGEN GRAPH PAPER
20 X 20 PER INCH