Names:		 	
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Datum Sheet for Labs 6 & 7 Analysis of the RNA Content of Yeast Cells

	Size of 10 cells in OM Units
pe of cell	
	Size of 10 cells in OM Units
ype of cell	

F.	Determine the turbidity or optical density of the overnight yeast culture. Using Figure 6.7 or 6.8 in Lab 6, estimate the number of yeast cells/ml in your overnight culture. Record your final value here. (4 points)			
	Turbidity Total Cell Count Yeasts/mL			
Lab 1 A.	Calculate the viable cells/ml by counting visible colonies from your agar plates. Show your calculations here. (4 points)			
	Viable Cell Count Yeasts/mL			
C.	Determine the RNA content of the PCA extract of <i>S. cerevisiae</i> prepared in the first part of this lab. (4 points)			
	Total Volume of PCA Extract			
	Total RNA content (ug) in PCA Extract			
D. for the	Determine the amount of RNA per yeast cell. Use the cell counts you obtained using the hemocytometer se calculations. Show your calculations here. (4 points)			
	RNA/yeast cell			
E.	Attach to this datum sheet a graph for your RNA standard curve. (2 points)			
F.	How do the sizes of the RNAs you observed compare with the yeast ribosomal RNAs described in the introduction to lab 6? (2 points)			