Glucose Dosage:

Standard curve

well	Glucose 1mg/ml	H_20	Glucox (reagente1)	DO 510 nm
1	0µl	20 µl	250 ul	
2	0	20	´	
3	2	18	´	
4	4	16	´	
5	6	14	´	
6	8	12	´	
7	10	10	´	
	YPD 1/20		´	
8	2	18	,	
9	4	16	,	
10	6	14	,	

Culture samples

well	Amostra diluída 1/20			
1	10ul	10		
2	20ul	0		

- ☐ Dilute the glucose 100 mg/mL to 1 mg/mL;
- ☐ Dilute the samples and medium without cells to 1:100;
- ☐ Make a serial dilution of glucose for to standard curve;
- ☐ Make a serial dilution of medium to determine the initial glucose concentration;
- ☐ Use one well to pipette 20 uL of sample and other to dilute the sample 1:2;
- ☐ Add 250 uL of glucose reaction;
- ☐ Use water as the blanco;
- ☐ Incubate for 10 minutes at 37ºC;
- ☐ Read at 505 nm;
- ☐ Diminish the absorbances to the blanco;
- ☐ Make the standard curve using the absorbance with the known glucose concentration;
- ☐ Use the line equation generated by standard curve to calculate initial concentration of glucose in medium without cells;
- ☐ Use the same equation to calculate the concentration of samples;

- [ ] Consider the dilutions made in the equation.