

Table S1. Nutrient content of control and high sucrose, high fat, and high protein foods. We modified Bloomington's semi-defined food to contain only sucrose. Calculations were based on manufacturer's (Becton, Dickinson, and Co.) datasheets.

	carbs (g)	protein (g)	fat (g)	total kcal
control				
agar	10g	8.9		0.1
brewers yeast	80g	32.0	36.0	0.8
yeast extract	20g	3.3	10.8	0.0
peptone	20g	0.1	14.6	0.0
sucrose	51g	51.0	0.0	0.0
MgSO ₄ x 6H ₂ O				
CaCl ₂ x 2H ₂ O				
propionic acid		6.0		
mold inhibitor		11.0		
% carbs	63.9%			
%fat	1.1%			
%protein	34.0%			
total grams		112.3	61.4	0.9
total kcal		449.2	245.7	7.7
				702.6

	carbs (g)	protein (g)	fat (g)	total kcal
high sucrose				
agar	10g	8.9		0.1
brewers yeast	80g	32.0	36.0	0.8
yeast extract	20g	3.3	10.8	0.0
peptone	20g	0.1	14.6	0.0
sucrose	342g	342.0	0.0	0.0
MgSO ₄ x 6H ₂ O				
CaCl ₂ x 2H ₂ O				
propionic acid		6.0		
mold inhibitor		11.0		
% carbs	86.4%			
%fat	0.4%			
%protein	13.2%			
total grams		403.3	61.4	0.9
total kcal		1613.2	245.7	7.7
				1866.6

		carbs (g)	protein (g)	fat (g)	total kcal
high fat					
agar	10g	8.9		0.1	
brewers yeast	80g	32.0	36.0	0.8	
yeast extract	20g	3.3	10.8	0.0	
peptone	20g	0.1	14.6	0.0	
sucrose	51g	51.0	0.0	0.0	
MgSO ₄ x 6H ₂ O					
CaCl ₂ x 2H ₂ O					
propionic acid		6.0			
mold inhibitor		11.0			
Crisco	141g			141.0	
% carbs	22.8%				
%fat	64.7%				
%protein	12.5%				
total grams		112.3	61.4	141.9	
total kcal		449.2	245.7	1276.7	1971.6

		carbs (g)	protein (g)	fat (g)	total kcal
high protein					
agar	10g	8.9		0.1	
brewers yeast	80g	32.0	36.0	0.8	
yeast extract	20g	3.3	10.8	0.0	
peptone	20g	0.1	14.6	0.0	
sucrose	51g	51.0	0.0	0.0	
MgSO ₄ x 6H ₂ O					
CaCl ₂ x 2H ₂ O					
propionic acid		6.0			
mold inhibitor		11.0			
Crisco	66g			66.0	
soy protein (GNC)	150g		130.0	5.0	
% carbs	24.1%				
% fat	34.8%				
% protein	41.1%				
total grams		112.3	191.4	71.9	
total kcal		449.2	765.7	646.7	1861.6