

	Costs (euro)	per amount (gram)	needed per sticker (gram)	costs per sticker (euro)	
L-Alanine	6,410.00	25000	0.00222725	0.000571067	
Tryptone	45.2	500	0.005	0.000452	
Yeast Extract	1,355.00	25000	0.0025	0.0001355	
NaCl	100	100000000	0.0025	2.5E-09	
**Spores of B. subtilis					
Production costs*	20000	2000	0.001	0.01	
	Per squire meter	1squire meter	needer per sticker squire cm	cost per sticker	
sticker material	3 dollar	0.0003	0.0024	0.0230456 <-- Ismaêls estimation of total	
inside material sticker	2.69	0.0001076	0.0006456	cost per sticker.	
production costs			0.02		
			Totaal (sticker+bact+nutrients)		0.034204169

calculations

M = mol/L	g/mol	gram/L	per sticker (0.5 mL)	
0.05	89.09	4.4545	0.00222725	
		5	0.0025	

**b. subtilis won't cost anything because we grow/multiply it ourselves. Nonetheless, there will be the costs of the production of the spores. This will take around 1 day per batch, 1 batch can produce around 500 L if we want to. There will be additional costs for electricity/water/nutrients for growth (not so much, see calculations above) and of course manpower.

*20000 costs is fermentation, 1 day, including personell working on it, etc, according to MSD (pharmaceutical company)