

**Isolation of chromosomal DNA from *Bacillus subtilis* for transformation
(Cutting and Van der Horn, 1990)**

- Mix 2.5 ml of an overnight culture with 2.5 ml SC buffer
- Harvest cells by centrifugation (5 min, 8000 rpm, RT)
- Resuspend cell pellet in 1 ml SC buffer
- Add 100 µl lysozyme and mix well
- Incubate for 15 min at 37°C
- Add 1 ml NaCl and mix well
- Filtrate DNA solution with 0.45 µm filter
- Use 100 µl for *B. subtilis* transformation

SC buffer (pH 7.0)	NaCl	0.15 M
	Sodium citrate	0.01 M
Lysozyme	2 mg/ml in SC buffer	
NaCl	4 M	

Protocol generously provided by the lab
Prof. Thorsten Mascher
Großhadernerstr. 2-4
82152 Planegg-Martinsried
www.syntheticmicrobe.bio.lmu.de