Protocol: TB Medium Preparation

Last updated: 2026-10-11

Reviewed by: Patrik

This protocol was given by our PI Johan, with some modifications made if necessary.

Procedure:

Volume medium	1000 ml	900 ml	800 ml	700 ml	600 ml	500 ml	400 ml	300 ml	200 ml
Volume A	900 ml	810 ml	720 ml	630 ml	540 ml	450 ml	360 ml	270 ml	180 ml
Tryptone	12 g	10.8 g	9.6 g	8.4 g	7.2 g	6 g	4.8 g	3.6 g	2.4 g
Yeast extract	24 g	21.6 g	19.2 g	16.8 g	14.4 g	12 g	9.6 g	7.2 g	4.8 g
Glycerol	4 ml	3.6 ml	3.2 ml	2.8 ml	2.4 ml	2 ml	1.6 ml	1.2 ml	0.8 ml
H_2O to	900 ml	810 ml	720 ml	630 ml	540 ml	450 ml	360 ml	270 ml	180 ml
Volume B	100 ml		80 ml			50 ml	40 ml	30 ml	20 ml
KH_2PO_4	2.31 g		1.85 g			1.16 g	0.924 g	0.693 g	0.462 g
K_2HPO_4	12.54 g		10.03 g			6.27 g	5.02 g	3.76 g	2.51 g

Autoclave solution A and B separately. Mix 9 parts solution A with 1 part of solution B just before use, under sterile conditions.

For cultivation in shakeflasks it is convenient to autoclave solution A directly in the shakeflasks.