

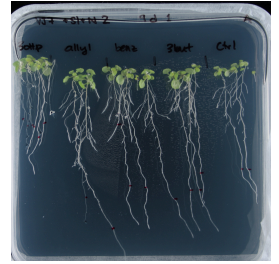


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## 🌐 Arabidopsis growth medium with varying sulfur and nitrogen content

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**Protocol status:** Working

**We use this protocol and it's working**

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## Abstract

Media receipe to grow *A. thaliana* seedlings on plates.  
Variaiton in S and N concentrations.

## Troubleshooting



## stock solutions

1

Media solution	stock solutions
<b>+S/+N</b>	A+C+G
<b>+S/-N</b>	A+D+G
<b>-S/+N</b>	B+E+H
<b>-S/-N</b>	B+F+H



media recipes.xlsx

## for 1 L medium

2

General media recipe	Volume
Minor salts (100x)	10 mL
Major salts (10x)	100 mL
Ferrous solution (100x)	10 mL
Vitamin mix (1000x, Murashige and Skoog, Prod. No. M0409.0100, Duchefa Biochemie)	1 mL
water to 1L	
adjust pH to 5.8 with 1M KOH	
divide 1L to 2× 500 mL (into 1L bottles)	
add 4g agar per 500mL	
autoclave	

## Concentrations of S and N in final medium

3



	Concentration of Sulphate
	in +S: 1.68 mM
	in -S: 0.015 mM
	Concentration of Nitrate
	in +N: 3 mM
	in -N: 0.3 mM