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🌐 Arabidopsis growth medium with varying sulfur and nitrogen content

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ABSTRACT

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

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Protocol status: Working
We use this protocol and it's working

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stock solutions

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

☐ media recipes.xlsx

for 1 L medium

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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 2x 500 mL (into 1L bottles)	
add 4g agar per 500mL	
autoclave	

Concentrations of S and N in final medium

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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