

**Supplementary Table S3: Chemicals used for the preparation of the stock solutions.**

<b>Stock solution A</b>		
Chemical formula	Chemical name	Product name, Company
$\text{NH}_4\text{NO}_3$	Ammonium nitrate	YaraTera AMNITRA L, Yara GmbH & Co. KG, Dülmen, Germany
$5\text{Ca}(\text{NO}_3)_2 \cdot \text{NH}_4\text{NO}_3 \cdot 10\text{H}_2\text{O}$	Calcium ammonium nitrate	YaraLiva CALCINIT, Yara GmbH & Co. KG, Dülmen, Germany
$\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$	Calcium nitrate tetrahydrate	Merk Chemicals GmbH, Darmstadt, Germany
$\text{KNO}_3$	Potassium nitrate	YaraTera KRISTA K PLUS, Yara GmbH & Co. KG, Dülmen, Germany
$\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$	Calcium chloride dihydrate	Merk Chemicals GmbH, Darmstadt, Germany
$\text{Na}[\text{Fe}(\text{EDTA})] \cdot 3\text{H}_2\text{O}$	Iron(III) EDTA complex	Fetrilon 13%, Compo Expert GmbH, Münster, Germany
<b>Stock solution B</b>		
Chemical formula	Chemical name	Product name, Company
$\text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$	Magnesium nitrate hexahydrate	YaraTera KRISTA MAG, Yara GmbH & Co. KG, Dülmen, Germany
$\text{KH}_2\text{PO}_4$	Potassium dihydrogen phosphate	YaraTera KRISTA MKP, Yara GmbH & Co. KG, Dülmen, Germany
$\text{K}_2\text{SO}_4$	Potassium sulfate	YaraTera KRISTA SOP, Yara GmbH & Co. KG, Dülmen, Germany
$\text{H}_3\text{BO}_3$	Boric acid	Merk Chemicals GmbH, Darmstadt, Germany
$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	Copper sulphate pentahydrate	Merk Chemicals GmbH, Darmstadt, Germany
$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$	Zinc sulphate heptahydrate	Merk Chemicals GmbH, Darmstadt, Germany
$\text{MnSO}_4 \cdot \text{H}_2\text{O}$	Manganese sulfate 1-hydrate	Merk Chemicals GmbH, Darmstadt, Germany
$(\text{NH}_4)_6\text{Mo}_7\text{O}_{24} \cdot 4\text{H}_2\text{O}$	Ammonium heptamolybdate tetrahydrate	Merk Chemicals GmbH, Darmstadt, Germany
<b>Stock solution NaCl</b>		
Chemical formula	Chemical name	Product name, Company
$\text{NaCl}$	Sodium chloride	Südwestdeutsche Salzwerte AG Salzgrund 67, Heilbronn, Germany