

## Elements Mix

Life Science Group Ltd offers three mixtures of trace elements for use in cell culture. Trace elements play a key role in adjusting osmolality and cell function in cell culture media. Trace elements are included in cell culture media formulations as they are known to be important for cell culture performance. At desired concentrations, they can positively impact cellular growth and biotherapeutic efficacy, as well as protein quality attributes like glycosylation.

## Product Specification

### Elements Mix 1 (Trace Elements) 1000x

Component	Mg/L
Copper Sulphate $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	1.60 mg
Zinc Sulphate $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$	863.00 mg
Selenite 2Na	17.30 mg
Ferric Citrate	1155.10 mg

### Elements Mix 2 (Trace Elements) 1000x

Component	Mg/L
Magnesium Sulphate $\text{MnSO}_4 \cdot \text{H}_2\text{O}$	0.17 mg
Sodium Metasilicate $\text{Na}_2\text{SiO}_3 \cdot 9\text{H}_2\text{O}$	140.00 mg

## QUALITY - TRACEABILITY - INTEGRITY

### Life Science Production

Unit 14, Crowhill Farm, Ravensden Road, Wilden, Bedford, Bedfordshire MK44 2QS  
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Life Science Production, Antibody Production Services and Diagnostic Kit Services are divisions of Life Science Group Ltd.

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### Elements Mix 3 (Trace Elements) 1000x

Component	Mg/L
Aluminum chloride hexahydrate $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$	1.2 mg
Silver Nitrate $\text{AgNO}_3$	0.17 mg
Barium Acetate $(\text{CH}_3\text{COO})_2\text{Ba}$	2.55 mg
Potassium Bromide $\text{KBr}$	0.12 mg
Cadmium Chloride $\text{CdCl}_2$	2.28mg
Cobalt (II) Chloride $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$	2.38 mg
Chromium trichloride hexahydrate $\text{CrCl}_3 \cdot 6\text{H}_2\text{O}$	0.32 mg
Sodium Fluoride $\text{NaF}$	4.2 mg
Germanium (IV) Oxide $\text{GeO}_2$	0.53 mg
Potassium Iodide	0.17 mg
Rubidium Chloride $\text{RbCl}$	1.21 mg
Zirconium(IV) oxychloride octahydrate $\text{ZrCl}_4 \cdot 6\text{H}_2\text{O}$	3.22 mg

### Product Presentation

Product Code	Product Description	Size
LSG-1205B	<b>Elements Mix 1 (Trace Elements) 1000x</b>	100mL
LSG-1203B	<b>Elements Mix 2 (Trace Elements) 1000x</b>	100mL
LSG-1204B	<b>Elements Mix 3 (Trace Elements) 1000x</b>	100mL

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## Storage

Product is stored at +4°C

## Shelf life

12 months

**For Cell Culture, further Manufacturing and Research use only. Not approved for human or veterinary use, for application to humans or animals, or for use in therapeutic, clinical or *in vitro* procedures.**

## Support

Life Science Production is a division of Life Science Group Ltd.

Life Science Production is [ISIA Traceability Certified](#)

Life Science Group Ltd is an ISO 9001:2015 Certified company

To learn more, contact us:

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Email: [sales@lifesciencegroup.co.uk](mailto:sales@lifesciencegroup.co.uk)

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