

# Product insert

## mag particle suspension -N, -BL, -BLm, -BLM, -maxi

For Research Use Only. Not for use in diagnostic procedures.

### Product overview

mag™ particle suspension -N, -BL, -BLm, -BLM, -maxi are Fe<sub>3</sub>O<sub>4</sub> magnetic beads with a silica layer. The silica coating can bind nucleic acids which makes mag particle suspensions an ideal option for the automated purification of genomic DNA, plasmid DNA, RNA or PCR products for downstream analysis.

### Product specifications

Concentration (w/v)	N = 3 mg/mL BL = 71 mg/mL BLm = 100 mg/mL BLM/maxi = 350 mg/mL
Appearance	Aqueous suspension of dark brown particles
Shape	Irregular
Composition	Iron oxide, silica oxide
Core	Magnetite (Fe <sub>3</sub> O <sub>4</sub> )
Matrix	Silica
Type of magnetisation	Superparamagnetic
Surface functional groups	Silanol, -Si-OH,
Average particle size	<53 µm, 80% 5-10 µm
Surface area (BET)	170 m <sup>2</sup> /g
Density	N = 1.076 g/cm <sup>3</sup> BL = 1.182 g/cm <sup>3</sup> BLm = 1.243 g/cm <sup>3</sup> BLM/maxi = 1.226 g/cm <sup>3</sup>
Recovery	DNA/RNA recovery up to 100%*
pH stability	pH 3-12
Storage buffer	ddH <sub>2</sub> O NaCl (1 M), GuSCN (2 M)
Recommended application	Genomic DNA isolation, plasmid isolation, RNA isolation
Binding mechanism	Dependent on buffer system
Elution	Aqueous, low salt

\* Dependent on the isolation conditions

### Storage

mag particle suspensions should be stored at room temperature and are stable for 1 year. Please refer to product label for exact expiry date. The products can be shipped at room temperature.

# Product insert

## mag particle suspension -N, -BL, -BLm, -BLM, -maxi

For Research Use Only. Not for use in diagnostic procedures.

### Ordering information

The table below details the available pack sizes and corresponding catalogue numbers for mag particle suspensions.

Cat no.	Description	Size (mL)
NAP40131	mag particle suspension N	1 mL
NAP40132	mag particle suspension N	10 mL
NAP40133	mag particle suspension N	100 mL
NAP20-001-04	mag particle suspension N	250 mL
NAP20-001-05	mag particle suspension N	500 mL
NAP20-001-06	mag particle suspension N	1000 mL
NAP40136	mag particle suspension BL	1 mL
NAP40137	mag particle suspension BL	10 mL
NAP40138	mag particle suspension BL	100 mL
NAP20-002-04	mag particle suspension BL	250 mL
NAP20-002-05	mag particle suspension BL	500 mL
NAP20-002-06	mag particle suspension BL	1000 mL
NAP40146	mag particle suspension BLM	1 mL
NAP40147	mag particle suspension BLM	10 mL
NAP40148	mag particle suspension BLM	100 mL
NAP20-004-04	mag particle suspension BLM	250 mL
NAP20-004-05	mag particle suspension BLM	500 mL
NAP20-004-06	mag particle suspension BLM	1000 mL
NAP40141	mag particle suspension BLm	1 mL
NAP40142	mag particle suspension BLm	10 mL
NAP40143	mag particle suspension BLm	100 mL
NAP20-003-04	mag particle suspension BLm	250 mL
NAP20-003-05	mag particle suspension BLm	500 mL
NAP20-003-06	mag particle suspension BLm	1000 mL
NAP20-008-01	mag particle suspension maxi	1 mL
NAP20-008-02	mag particle suspension maxi	10 mL
NAP20-008-03	mag particle suspension maxi	100 mL
NAP20-008-04	mag particle suspension maxi	250 mL
NAP20-008-05	mag particle suspension maxi	500 mL
NAP20-008-06	mag particle suspension maxi	1000 mL

### Safety information

The SDS for mag particle suspension can be accessed on our [webpage](#).

@LGCBiosearch | biosearchtech.com

All trademarks and registered trademarks mentioned herein are the property of their respective owners. All other trademarks and registered trademarks are the property of LGC and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording or any retrieval system, without the written permission of the copyright holder. © LGC Limited, 2023. All rights reserved. GEN/1095/FS/0323