

BRAMANTE BIOLOGICS

PRODUCT INFORMATION

DPBS 1X, with calcium and magnesium

Product: MD-LIQ-DPBS-1X-CA-MG

Reference revision v1. Updated 2026-09-22.

Composition and intended use

Sodium chloride supplies most of the salt content; potassium chloride and the phosphate pair complete the buffered saline base. Calcium and magnesium distinguish this formulation from divalent-ion-free DPBS. Select the variant specified by the experimental procedure, particularly when chelators or cell-dissociation reagents are involved.

This solution is a handling buffer rather than a complete growth medium. It does not supply the nutrients needed for sustained cell expansion. The nominal ingredient quantities and chemical forms are listed in the ingredient table.

Using and storing this product

2–8 °C, tightly closed. Do not freeze. Follow the bottle label.

Use aseptic technique. Follow the storage conditions and expiry date on the lot label. Inspect the medium for unexpected cloudiness, precipitate or a marked color change before use.

Quality information

Quality control testing includes Appearance, pH, Bacterial endotoxins (LAL), Mycoplasma, Osmolality, Sterility, Conductivity.

For research use only.

Lot-specific results are reported on the Certificate of Analysis. For research use only.

Nominal formulation

Nominal amounts are per final litre and rounded for display. Chemical forms define the amounts; water brings the solution to final volume.

NaCl: 8 g/L

KCl: 200 mg/L

Na₂HPO₄ (Anhydrous): 1.144 g/L

KH₂PO₄ (Anhydrous): 200 mg/L

CaCl₂·2H₂O: 132.5 mg/L

MgCl₂·6H₂O: 100 mg/L

For lot-specific quality-control results, see the Certificate of Analysis.