

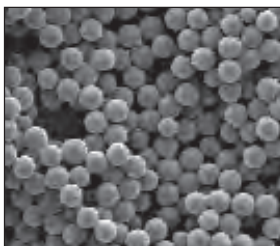
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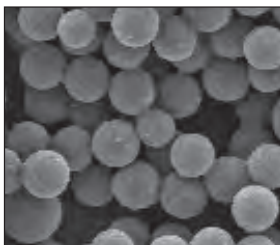
B E A D S • A B O V E T H E R E S T™

DESCRIPTION

Magnetic particle-based diagnostic assays demand the highest performance in terms of physical handling, ligand binding characteristics, and signal-to-noise ratios. Bead composition directly impacts settling and magnetic separation profiles, which have implications for assay parameters such as incubation times for binding and elution steps, buffer changes, etc. Most importantly, the composition impacts specific / nonspecific binding characteristics, and background signal arising from the particle itself. These factors have a direct impact on the sensitivity and dynamic range of the assay.

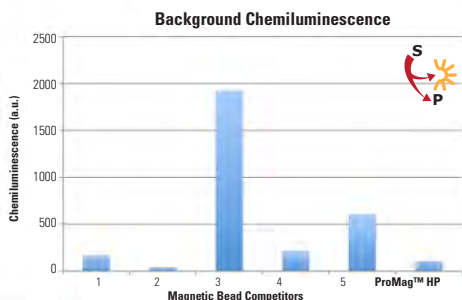


Bangs is pleased to offer **ProMag™ HP (High Performance)**, our new generation of magnetic particles that has been meticulously engineered for use in assay development. ProMag™ HP bring together the superior handling and fast separation rates of ProMag™ with a highly optimized composition to ensure the lowest autosignal, particularly with respect to chemiluminescence and exposed iron.



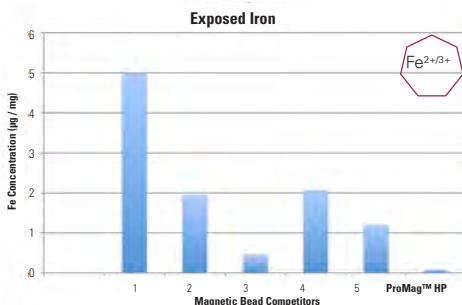
Chemiluminescence

ProMag™ HP have exceptionally low background chemiluminescence compared to several competing products, as demonstrated using an H₂O₂ chemiluminescence assay.



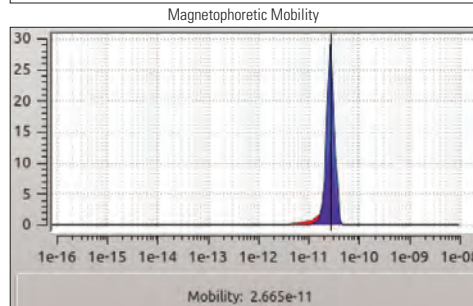
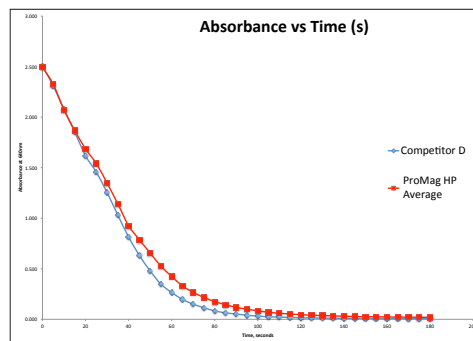
Iron Sequestration

Metal cations are a source of interference in chemiluminescence assays. ProMag™ HP have highly sequestered iron compared to several competing products, as demonstrated through a colorimetric assay for iron.



Magnetic Response

ProMag™ HP microspheres offer uniform and rapid separations, which are critical to the reproducibility of automated assays.



CHARACTERISTICS

Mean Diameter: 3µm
 % Solids: 2.5% (COOH), Surfactant-free

STORAGE AND STABILITY

Store at 2-8°C. Freezing of particles may result in irreversible aggregation and loss of binding activity.

SAFETY

All particle suspensions contain sodium azide. Sodium azide may react with lead and copper plumbing to form explosive metal azides. Upon disposal of material, flush with a large volume of water to prevent azide accumulation. Please consult the Material Safety Data Sheets for more information.

This product is for research use only and is not intended for use in humans or for *in vitro* diagnostic use.

ORDERING INFORMATION

Cat. Code Description
 PMC3HP ProMag™ HP 3 Series • COOH

Size
 5mL or 25mL

Order online anytime at www.bangslabs.com.