

Product Data Sheet

MagSERION carboxy beads

Product description	MagSERION carboxy beads Carboxy functionalized superparamagnetic microspheres
Order No.	031MP-C
Lot No.	Lot specific
Mass concentration	100 mg/mL
Bead concentration	Lot specific
Storage buffer	Contains 0.02 %Vol. Tween™ 20 and 0.1 %Vol. ProClin™ 950
Preservatives	0.1 %Vol. ProClin™ 950
Appearance	Brown dispersion (Particles may sediment, mix thoroughly or apply mild sonication before use.)
Storage	2 – 8 °C (shipment at room temperature) Do not freeze.
Expiry date	24 months from date of manufacture (under recommended storage conditions)
Manufacturer	Institut Virion\Serion GmbH, Germany

For research or manufacturing use only. Not for use in diagnostic procedures.

Analysis:

Test	Method	Specification
Bead size	Coulter counter principle	Mean diameter 2.40 µm – 3.70 µm
Bead size distribution	Coulter counter principle	Coefficient of variation <10 %
Magnetic separation	Time dependent turbidity change in a defined magnetic field	Half-value time to clearance <20 s
Isoelectric point	Zetapotential-pH-titration	Isoelectric point <pH 9
Functional group assay	Carboxy group specific activation, protein coupling, detection by flow cytometry	Signal above reference level without activation

Date: 2019-12-17