

## 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	Lot specific
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	36 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 2.8 µm – 3.2 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
Functional group assay	Carboxy group specific activation, protein coupling, detection by flow cytometry	Signal above product specific threshold

Date: 2023-12-21