

Product Data Sheet

SERION coupling kits

Product description	SERION coupling kit N with beads Ready-to-use activation reagents and blocking buffer for the coupling of biomolecules to negatively charged surfaces (e.g. carboxylate microparticles, included in kit).
Order No.	CKN02
Lot No.	Lot specific
Kit content	7x SERION coupling reagent (5 mL) 1x SERION blocking buffer for coupling reagents (33 mL) 1x MagSERION carboxy beads (2.5 mL)
Storage	2 – 8 °C (shipment at room temperature) Do not freeze.
Manufacturer	Institut Virion\Serion GmbH, Germany

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

Product details:

Kit component	SERION coupling reagent N01 / N02 / N03 / N04 / N05 / N06 / N07 Ready-to-use activation reagents for the modification of negatively charged surfaces (e.g. carboxylate microparticles).
Order No.	CRN01K / CRN02K / CRN03K / CRN04K / CRN05K / CRN06K / CRN07K
Lot No.	Lot specific
Matrix	Buffer containing 0.02 %Vol. Tween™ 20 and 0.1 %Vol. ProClin™ 950
Appearance	Clear colorless solutions
Properties	Shift isoelectric point of carboxylate microparticles to higher (N01-N06) or lower (N07) pH values. Determined by zeta-potential-pH-titration with MagSERION carboxy beads.
Date of manufacture	Lot specific
Expiry date	No expiry date has been assigned for these products. Users should determine stability in their own system.

Kit component	SERION blocking buffer for coupling reagents Ready-to-use buffer for blocking of microparticles after biomolecule coupling.
Order No.	CB01K
Lot No.	Lot specific
Preservatives	0.09 % sodium azide
pH-value	pH 8.4
Appearance	Clear colorless solution
Expiry date	36 months from date of manufacture (under recommended storage conditions)

Kit component	MagSERION carboxy beads Carboxy functionalized superparamagnetic microspheres.
Order No.	031MP-CK
Lot No.	Lot specific
Mass concentration	100 mg/mL
Bead concentration	Lot specific
Bead size	Size specification: 2.40 µm - 3.70 µm Size distribution: Coefficient of variation <10 % Method: Coulter counter principle
Magnetic separation	Half-value time to clearance: <20 s Method: Time dependent turbidity change in a defined magnetic field
Isoelectric point	Isoelectric point: <pH 9 Method: Zetapotential-pH-titration
Functional group assay	Signal above reference level without activation Method: Carboxy group specific activation, protein coupling and detection by flow cytometry
Storage buffer	Contains 0.02 %Vol. Tween™ 20 and 0.1 %Vol. ProClin™ 950
Appearance	Brown dispersion (Particles may sediment, mix thoroughly or apply mild sonication before use.)
Expiry date	24 months from date of manufacture (under recommended storage conditions)

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