



Product Specification Sheet

EpiSep Anti-URO-1 (J143)[®] Magnetic Particles

Doc.# ML080422-11

CATALOG #: R2122-1

DESCRIPTION: EpiSep Anti-URO-1 (J143)[®] Magnetic Particles are 0.28 μm diameter uniform, superparamagnetic polystyrene beads coated with mouse monoclonal J143 antibody. The antibody was developed using the 253J bladder cancer cell line. The J143 antibody recognizes the alpha 3 subunit of VLA-3 (ECMR I - extracellular matrix receptor I). The antibody detects 3 components of the alpha 3 subunit glycoprotein complex (MW 30kDa, 120kDa and 140kDa). VLA proteins are part of the integrin family of cell adhesion molecules.

**FOR RESEARCH
USE ONLY:**

This product is not for diagnostic or therapeutic use.

SUPPLIED AS: 1.5 mL of suspended magnetic particles in 0.020M Phosphate Buffer pH 7.4, 0.150M NaCl, 1.0% BSA, 0.1% Sodium Azide. Approximately 4.96×10^{10} particles/mL.

STABILITY: Recommended storage upon receipt is 4-8°C. **DO NOT FREEZE** Stable when stored at 4-8°C. Can be stored for up to 12 months at 4-8°C. **DO NOT STORE AT ROOM TEMP.**

**APPLICATIONS
AND SUGGESTED
USE:**

Enrichment of urothelial cells for use with FISH, Immunocytochemistry, Flow Cytometry and PCR.

Resuspend particles prior to each use by inversion several times. Generally, 25 μL to 100 μL of particles (1.25×10^9 to 5×10^9) will be sufficient to capture cells in most specimens.

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RELATED

PRODUCTS: EpiSep Alcohol Fixative[™] (Cat#R2114-1)
EpiSep Hybridization Slide[®] (Cat#A3104-10)
NeoMag Slide Dock for Hybridization Slide[™] (Cat#A1103-1)
Magnetic Tube Dock, 50mL[™] (Cat#A4101-1)

APPLICATION

SHEETS: EpiSep Preparation and Isolation of Urothelial Cells from 15mL or less Preserved Urine for use with FISH. (Ref. Doc#ML080423-1)

MATERIAL

SAFETY DATA: When handling this material Standard Laboratory Practices should be followed. This material's chemical, physical and toxicological properties have not been thoroughly investigated. Contains **Sodium Azide** as a preservative. Although, the quantity of sodium azide (0.1%) is very small, measures should be taken to avoid skin and eye contact, inhalation and ingestion. Sodium Azide (NaN₃) may react with lead and copper plumbing to form potentially explosive metal oxides. Upon disposal, flush with a large volume of water to prevent azide build-up.

REFERENCES:

1. Fradet, Y., et al. Cell surface antigens of human bladder cancer defined by mouse monoclonal antibodies. Proc. Natl. Acad. Sci. USA 81: 224-228, 1984.
2. Hemler, M., et al. Multiple very late antigen (VLA) heterodimers on platelets. J. Biol. Chem. 263: 7660-7665, 1988.
3. Leibert, M., et al. Expression of the VLA beta 1 integrin family in bladder cancer. Am. J. Path. 144: 1016-1022, 1994.