

# Human Peripheral Blood CD19<sup>+</sup> B Cells

## Positively Selected

Catalog #	Unit Size (cells/vial)
0519-101	10 x 10 <sup>6</sup>

### Product Description

Cryopreserved CD19<sup>+</sup> B cells have been isolated from human peripheral blood (PB) mononuclear cells using immunomagnetic separation techniques. B cells make antibodies, perform the role of antigen-presenting cells and eventually develop into memory B cells after activation by antigen interaction. B cells are an essential component of the adaptive immune system.

### Sample Collection and Processing

CD19<sup>+</sup> B cells are collected from PB of normal human volunteers using the COBE<sup>®</sup> Spectra collection system or AutoPBSC<sup>®</sup> collection protocol. All donors have been tested and determined negative for transmissible infectious diseases with the standard panel of tests (please see Certificate of Analysis).

CD19<sup>+</sup> B cells are enriched by positive selection using an immunomagnetic cell separation method consisting of an antibody cocktail targeting CD19<sup>+</sup> cells.

### Purity

Purity of PB CD19<sup>+</sup> B cells is ≥90% as measured by flow cytometric analysis.

### Stability and Storage

- Cells are cryopreserved in CryoStor<sup>®</sup> CS5.
- Cells are stable for long-term storage at -152°C or in the gaseous phase of liquid nitrogen.
- Storage at -80°C is not recommended. Once thawed, the cells must be used immediately and have a finite life span in culture.

### Thawing Protocol

The thawing protocol can be found on our website at [www.reachbio.com/protocols](http://www.reachbio.com/protocols), by emailing [techsupport@reachbio.com](mailto:techsupport@reachbio.com) or by contacting customer service at 1.206.420.0300.

### Warning

Primary cells from human sources are a potential biohazard, treat as potentially infectious. All human sourced products should be handled at the Biological Safety Level 2 to minimize exposure of potentially infectious products. If you require further information, please contact your site safety officer.

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