

## Datasheet and Instructions for Use

# Pantum L24

## Complete growth medium for lymphocytes

Product	Description	Catalogue-No.	Size
Pantum L24	Complete medium for lymphocytes ready-to-use	P04-00024	500 ml

### Product description

Pantum L24 is a complete medium specially developed for the culture of peripheral blood lymphocytes to stimulate the growth of this cell type. Lymphocytes are white blood cells with important functions in the adaptive immune system. Adult lymphocytes lack the ability to proliferate. Therefore, Pantum L24 contains a mitogen (phytohemagglutinin PHA) specifically acting on the cell cycle. In addition to purified plasma proteins and lipids, such as serum albumin and cholesterol, the medium also contains components of soybean extract, an iron transport protein, and enriched trace elements.

### Storage conditions

Storage: -20° C (in the dark) 2-8° C (up to 3 months)

Stability: 2 years from date of production

Size: 500 ml – others on request

### Composition

Modified formulation of RPMI 1640; additional trace elements, amino acids, growth factors, lipids and purified plasma proteins have been added to give a balanced and reproducible mixture for lymphocyte cell culture.

### Suitability

Pantum L24 is suited for culture of lymphocytes. Although developed for the culture of primary lymphocytes from peripheral blood, Pantum L24 is also suited for the culture of lymphocytic cell lines. The new formulation results in stable cell growth under defined culture conditions. No addition of serum or growth factors necessary.

### Special Advantages

Pantum L24 is a ready-to-use, complete medium for the culture of lymphocytes with selected components from animal and plant sources. The defined composition allows for an optimized culture of lymphocytic cells. A complete, ready-to-use formulation gives additional safety with regard to contamination and no addition of serum is required.

### Instructions for Use

Usually a direct switch from conventional cell culture media to Pantum L24 is possible for most cell types. For very sensitive cells, a gradual adaption to Pantum L24 from conventional serum-containing medium may be necessary.

### Technical Support

Additional information will be available on our website: [www.pan-biotech.com](http://www.pan-biotech.com). For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email ([info@pan-biotech.com](mailto:info@pan-biotech.com)) or phone +49-8543-601630