

Datasheet**Lymphopan****Growth Medium for Lymphocytes**

Product	Description	Catalogue-No.	Size
Lymphopan	Growth Medium for Lymphocytes	P04-70700	100 ml

Product description

Lymphopan is a growth medium specially developed for the culture of lymphocytes (tumor cells or primary cells). Lymphocytes are white blood cells with important functions in the adaptive immune system. Adult lymphocytes from a healthy donor lack the ability to proliferate because the cells are arrested in G0. In order to differentiate the primary cells usually phytohaemagglutinin (PHA-L) is added to the culture. PHA binds to sugars on glycosylated surface proteins, including T cell receptor (TCR), and thereby cross linked them. This triggers calcium-dependent signaling pathways leading to NFAT (nuclear factor of activated T cells) activation.

Lymphopan P04-70700 does not contain PHA-L.

Storage conditions

Storage: 2-8°C

Stability: 6 months from date of production

Size: 100 ml, other sizes on request

Composition

Modified ready-to-use formulation of RPMI 1640; contains antibiotics, L-Glutamine and Fetal Bovine Serum to give a balanced and reproducible mixture for lymphocyte cell culture.

Suitability

Lymphopan is suited for culture of lymphocytes. Although developed for the culture of lymphocytic cell lines, Lymphopan is also suited for the culture of primary lymphocytes from peripheral blood after PHA-L was added. Primary Lymphocytes cultured with phytohaemagglutinin can be used for karyotype analysis.

Instructions for Use

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

Technical support

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) or phone +49-8543-601630.

FOR RESEARCH USE ONLY! Not approved for human or animal diagnostic or therapeutic procedures.