



# DACOS

LAB CONSUMABLES & LIQUID HANDLING

## BLOOD SEPARATION FILTER TUBES

INSTRUCTION MANUAL - DATASHEET



# Blood-Sep-Filter Tube

50ml Item no.03-7100SI - 15ml Item no.03-6100SI

BLOOD-SEP-FILTER tubes are designed to separate the mononuclear cells (MNC). This method has been developed by ESQUIRE (Leuco-sep). To be performed under normal room temp.

## Procedure

1. Pipet Lymphoprep<sup>®</sup> into the BLOOD-SEP-FILTER tube (16 ml for 50 ml tube) (3 ml for 15 ml tube).
2. Centrifuge at 1000 G for 30 seconds at room temp.
3. Pour freshly anticoagulated blood into the tube (15-30 ml for 50 ml tube) (3-8 ml for 15 ml tube). The blood does not have to be diluted, but can be diluted directly into the tube with a balanced salt solution.
4. Centrifuge at 1000 G for 10 min. (or 800 G for 20 min.).
5. After centrifugation the sequence of the tube content will be as follows:  
Plasma-MNC-Lymphoprep-Filter-Lymphoprep-Erythrocytes.
6. MNC can be collected and transferred by a Pasteur pipet, or directly poured to another tube.
7. Wash the MNC by adding 10 ml PBS and re-suspend the cells by gentle aspiration with a Pasteur pipet. Centrifuge at 250 G for 10 min. at room temp.
8. Repeat step twice, re-suspending the pellet in 5 ml PBS.
9. The Lymphocytes are now ready to pickup and stored in cryogenic vials.

## Limitations

The product is not considered sterile if the packaging is disrupted.

## Disposal

Dispose used product containing blood according to blood disposal methods.

- Separation-solution is available as:  
Lymphoprep (Nycomed Amersham)



# Datasheet

Description / Specification	
Description	50 ml and 15 ml tube with filter and screw cap. Conical bottom. <ul style="list-style-type: none"><li>• 03-7100SI: 50 ml, sterile</li><li>• 03-6100SI: 15 ml, sterile</li></ul>
Dimensions	50 ml tube: standard
	15 ml tube: standard
Volume	50 ml sample volume: 15-30 ml blood
	15 ml sample volume: 3-8 ml blood
Material / Resin	Tube: PP (Polypropylene) Filter: PE-UHM, Poro plast 162/200um Screw-cap: HDPE
Colour	Tube: natural Filter: white Screw-cap: white (50 ml) and blue(15 ml)
Sterilization	E-Beam
Quality Control	Raw Material-Control: physical testing Product-Control: testing of attributive and variable characteristics in accordance with the valid specification.
Other Information	<ul style="list-style-type: none"><li>• For single use only</li><li>• Protect from day light</li><li>• Storage at room temperature</li></ul>

Features	
Basic features	Contents non-cytotoxic
Autoclavability	No
Centrifugation, max. RCF	See instruction manual
Shelf life	5 years after sterilization date

Packaging	50 ml - 03-7100SI	15 ml - 03-6100SI
Pieces / bag	25	10
Pieces / box	500	100

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