

PuriBlood Laboratory

MiniPuri®

Cell Screening Filter Series

SFLR-P

For PRP leukoreduction

## Introduction

MiniPuri® cell screening syringe filter provides scientists an easy, time-saving way to isolate cells needed for the use with a variety of downstream research applications.

SFLR-P series is designed to remove white blood cell from PRP or platelet samples and recover high unit of platelet without activating it.

## Features

### Easy-to-Use

MiniPuri® cell screening syringe filter simplified the traditional method, removing white blood cells with only one-step filtration. Simply connect the filter to the syringe, and push the sample passing through the filter so as to get the purified blood samples.

### Cost/Time-effective

MiniPuri® cell screening syringe filter provides a more efficient way to separate the white blood cell (> 90%) compared to Buffy Coat density gradient methods.

## Application

Preparation for PRP leukocyte depletion samples

## Product Specifications

### Suggested Sample Condition:

- Fresh PRP within 5 days
- **DO NOT** filter with frozen blood sample in case of blockage

### Operation Temperature

Room temperature

### Materials of Construction

- Filter Media : ZISC-coating Polypropylene nonwoven (proprietary)
- Housing material : PVC

### Membrane Diam / Sample Volume Range:

18mm : 1~4 mL

25mm : 5~8 mL

### Typical Hold up Volume

18mm : 0.5 mL

25mm : 1 mL

### Sterilization

EtO

### Shelf Life

1 year if the package remains unopened; please use it up at soonest possible once the package is opened or damaged.

### Traceability

LOT number

### Manufacturing

Manufactured in accordance with ISO 13485  
Cleanroom 10,000

**PURIBLOOD MEDICAL CO., LTD.**

2F, 11, Gongye E. 9<sup>th</sup> Rd., Paoshan Hsiang, Hsinchu Hsien, TAIWAN (30075)

TEL: +886-3-668-7199

Fax: +886-3-668-7299

Mail: info@puriblood.com



## Performance

### SFLR-P

The ZISC-bias coating allows to remove 90% leukocytes from platelet-rich plasma samples without activating the platelet and recover high unit of the blood sample.

Part Number	SFLR-P-01		SFLR-P-02	
Filtration Volume	1 mL	4 mL	5 mL	8 mL
Filtration Loss	0.5±0.2 mL		1±0.5 mL	
WBC Removal Ratio %	95.1 ± 2.2	92.6 ± 3.4	94.8 ± 2.4	91.8 ± 1.9
Total WBC Removal (10 <sup>6</sup> )	0.25 ± 0.08	0.98 ± 0.37	1.6 ± 0.9	2.3 ± 1.3
Platelet Recovery %	90.8 ± 4.0	94.0 ± 2.5	90.0 ± 2.0	93.7 ± 2.1
Total Platelet Loss (10 <sup>6</sup> )	24.8 ± 8.9	15.3 ± 6.6	34.6 ± 11.7	52.7 ± 8.4
Filtration Time	3 sec	12 sec	20 sec	30 sec

Traditional method (Centrifugal) requires 30min-2hours operation time and requires cell separation medium to remove WBC.

## Protocol

1. Draw 1-8mL of platelet/PRP sample into the syringe.
2. Open the filter package and securely attach the filter to the syringe on the one side then assemble the needle on the others.
3. Hold the assembled syringe and filter vertically.
4. Press down on the syringe plunger and gently push the sample blood through the filter.
5. Conserve the filtered sample in the vacutainer and use it up at soonest possibility.

## Ordering Information

### MiniPuri<sup>®</sup> Cell Screening Filter

Part Number	Filtration volume	Pkg
SFLR-P-01	1-4mL	8
SFLR-P-02	5-8mL	8

## Product Use Limitation

This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development and is not suitable for administration to humans or animals.

### PURIBLOOD MEDICAL CO., LTD.

2F, 11, Gongye E. 9<sup>th</sup> Rd., Paoshan Hsiang, Hsinchu Hsien, TAIWAN (30075)

TEL: +886-3-668-7199

Fax: +886-3-668-7299

Mail: info@puriblood.com

