

## Acrodisc® WBC (White Blood Cell) Syringe Filter

### Description

#### Proven Performance

##### Acrodisc WBC (White Blood Cell) Syringe Filter

Pall Life Sciences' Acrodisc WBC premium syringe filter is an innovative filtration device designed specifically for use in the capture and recovery of Leukocytes and the separation of red blood cells. The Acrodisc WBC filter contains Pall's patented Leukosorb media. Leukosorb is a fibrous matrix that uses a multimodal approach of size exclusion and adsorption to capture and recover leukocytes from whole blood samples while allowing Red Blood Cells (RBCs) and platelets to flow through the membrane.

The Acrodisc WBC provides scientists a simple and efficient method to isolate blood cells used in a variety of research applications including:

- Antigenic specificity
- Antigen modulation studies
- Cell receptor analysis
- Lymphocyte recovery for cell therapy
- Stem cell research applications

**Easy to Use** - Simply add the blood sample onto the Acrodisc WBC syringe filter using a standard 10cc syringe with a luer lock connector, placed over a collection vessel, such as a 50ml conical tube. Once the sample is fully deposited, use an appropriate stand to hold the syringe filter assembly upright in order to allow gravity to pull the sample through the Leukosorb membrane, capturing the white blood cells, allowing the red blood cells and platelets to flow through the filter into the collection vessel.



Remove Acrodisc filter from the syringe and connect a new 10cc syringe to the male slip luer on the outlet of the Acrodisc (side with no printing) using an adapter. Using an isolation media, such as PBS pH 7.4, back flush the buffer through the Acrodisc WBC into an appropriate collection vessel to remove the captured leukocytes from the filter membrane.

**Efficient** - With the Acrodisc WBC, the uniquely designed filter does all the difficult capture work, resulting in more efficient white blood cell separation as compared to Buffy Coat density gradient methods. The Acrodisc WBC yields greater cell capture and recovery with less sample compared to larger filter formats and also exudes very low hold up volume as compared to larger white blood cell isolation filters (hold up volume < 2 mL, with total sample volume = 12 mL).

### Applications

Pall Life Sciences' Acrodisc WBC premium syringe filter is designed specifically to capture and recover Leukocytes while separating red blood cells and platelets, thereby providing scientists with a simple and efficient method to isolate cells needed for use in a variety of research applications including:

- Antigenic specificity
- Antigen modulation studies

- Cell receptor analysis
- Lymphocyte recovery for cell therapy
- Monoclonal antibody development
- Stem cell research applications

## Specifications

### Materials of Construction

Filter Media: Leukosorb

Housing: Polypropylene

### Effective Filtration Area

3.9 cm<sup>2</sup>

### Sample Volume Range

1 – 12 mL

### Inlet/Outlet Connections

Female luer lock inlet, male slip luer outlet

### Typical Hold up Volume

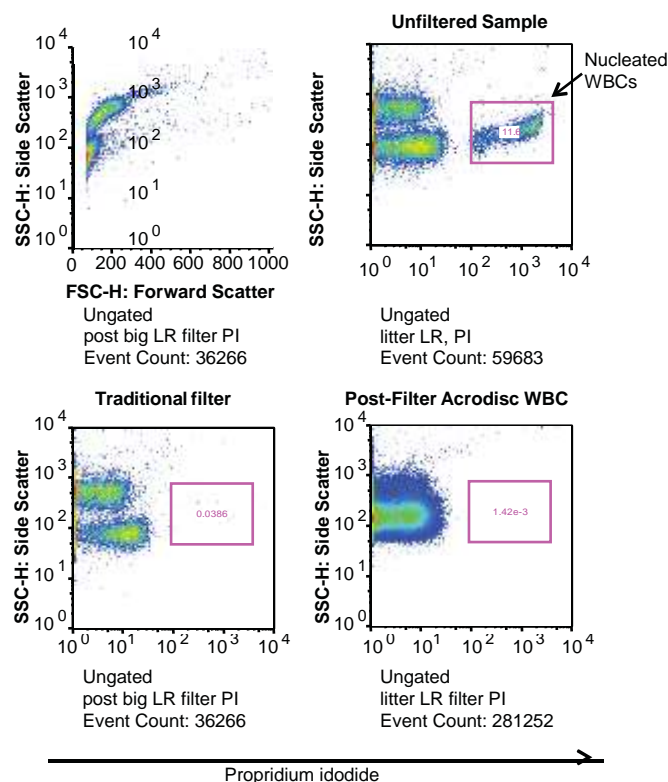
Hold up volume < 2 mL, with total sample volume = 12 mL

## Ordering Information

### Acrodisc PSF WBC Syringe Filter with Leukosorb Membrane

Part Number	Description	Pkg
AP-4851	25 mm	25/pkg

## Performance



Laboratory

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