

IMUGARD® III Leukocyte Filter System

For efficient leukocyte removal
of Red cell and Platelet

Optimize blood care with advanced technology

FEATURES

Polyurethane filter

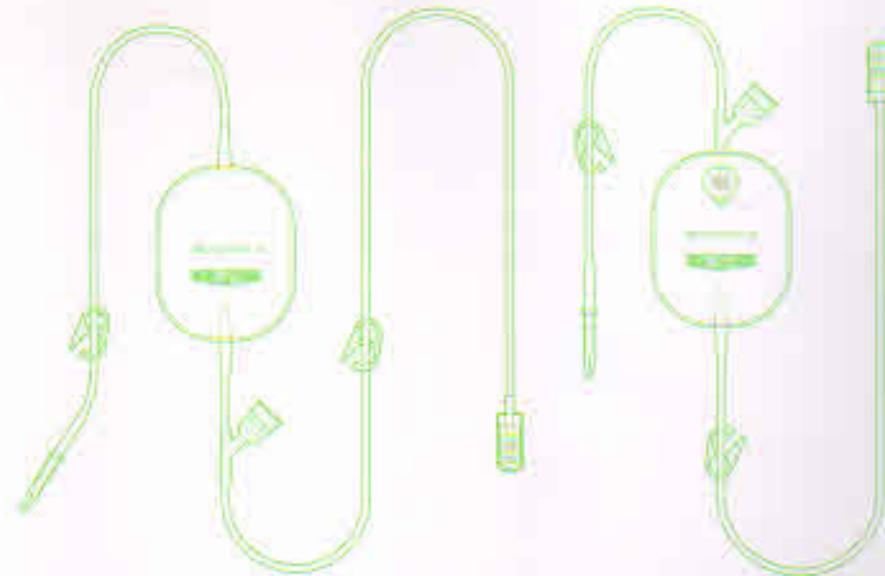
Highly biocompatible microporous polyurethane filter material. Ensures quality during filtration.

Sieving mechanism

Entrapment of leukocytes mainly by pore size distribution within the filter. Less cell - material interaction. Less cellular or protein activation results in blood products of superior quality.

Highly porous filter

Average residual leukocyte count of less than $1 \times 10^6/\text{unit}$



Air vent system

Ensures around 90 % recovery of cellular components. Filter with transfer bag has by-pass line to remove air and also to improve recovery.

Low dependency to storage temp, WBC load & hematocrit

Leukocyte contamination during blood transfusion can cause many adverse effects such as Febrile non hemolytic transfusion reaction, transmission of cell associated infectious agents, alloimmunization, platelet refractoriness, immunosuppression etc.

IMUGARD® III Leukocyte Filter System helps to prevent WBC associated transfusion reactions by removing leukocytes in the blood components. Current trend is that all cellular blood components to be transfused are filtered.

	IMUGARD III-RC	IMUGARD III-RC	IMUGARD III-PL	IMUGARD III-PL	IMUGARD III-RC with transfer bag	IMUGARD III-PL with transfer bag
Product code	TF*IR1002NC (Laboratory type)	TP*IR2002NC (Bedside type)	TF*IP1002N (Laboratory type)	TF*IP2002N (Bedside type)	TF*IR1602ES (Laboratory type)	TF*IP1AS2DS (Laboratory type)
Filter housing	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Filter material	Highly biocompatible microporous polyurethane filter material	Highly biocompatible microporous polyurethane filter material	Highly biocompatible microporous polyurethane filter material	Highly biocompatible microporous polyurethane filter material	Highly biocompatible microporous polyurethane filter material	Highly biocompatible microporous polyurethane filter material
Air vent	Yes	Yes	Yes	No	No	No
No. of air vents	2	2	1	NIL	NIL	NIL
Clamp	Yes	Yes	Yes	Yes	Yes	Yes
Drip Chamber with	NIL	Yes	NIL	Yes	NIL	NIL
Bottle clamp						
Bag capacity	NIL	NIL	NIL	NIL	600 ml	1000 ml
No. of units to filter	One Unit	One Unit	6 to 10 units	6 to 10 units	One Unit	6 to 10 Units
By-pass line	NIL	NIL	NIL	NIL	Attached	Attached

TERUMO PENPOL®

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