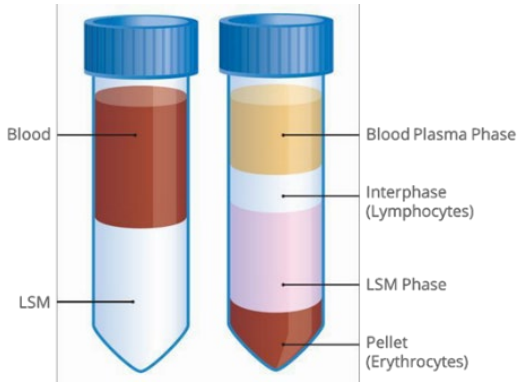
Ficoll Paque Plus 1077

Cat. N.	Product	Size	Price
IS-1077P-500	**Ficoll Paque Plus 1077**	1 x 500 ml	**€ 120**
IS-1077P-600	**Ficoll Paque Plus 1077**	6 x 500 ml	**€ 540**



Suitable for:

- The simple, rapid isolation of lymphocytes from whole blood
- Peripheral blood
- Isolation of Mono Nuclear Cells (MNC)
- Whole blood, diluted that has been treated with anti-coagulants or defibrinating agents.

TABELLA COMPARATIVA

Immunological Sciences vs. Sigma-Aldrich

Immunological Sciences			Sigma Aldrich		
Cat.n.	**Size**	**Price**	**Price**	**Cat.n.**	**Size**
IS-1077P-500	**1 x 500 ml**	**€ 120**	-	-	-
IS-1077P-600	**6 x 500 ml**	**€ 540**	**€ 865**	GE17-1440-03	6 X 500 ML

CONDIZIONI DI VENDITA:
Prezzi: al netto dell'IVA (22%)
Consegna Pronta (salvo il venduto)
Trasporto gratuito per ordini superiori a € 200
Codice Offerta: FICOLL2026
Offerta valida fino al 31/12/2026

CONTATTARE: Società Italiana Chimici tel: +39 06 8818936 - 8800211 e-mail: sales@sichim.com

Ficoll Paque Plus 1077 (Histopaque)

Theoretical pH: 7.0 ± 0.5

Osmolality: 300 mOsm/kg ±20

Density: 1.077 ± 0.001

Colour: colourless, clear solution
Storage conditions: Room temperature, protected from light
Shelf life: 24 months

Sterility tests:
- bacteria in aerobic and anaerobic conditions
- fungi and yeast

Endotoxin: **<** 0.12 EU/ml
Composition: Displayed on website and also available on request

Recommended use:
- Respect storage conditions of the product
- Do not use the product after its expiry date
- Store product in an area protected from light (not necessary for saline solutions).
- Manipulate the product in aseptic conditions (e.g. : under laminar air flow)
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall…)

The product is intended to be used for in vitro diagnostic and scientific purposes. Do not use it in therapy, human or veterinary applications.

Applications:
Ficoll Paque Plus 1077 is designed for the simple, rapid isolation of lymphocytes from whole blood , peripheral blood , to isolate Mono Nuclear Cells (MNC)
The product is suitable for whole blood , diluted that has been treated with anti-colagulants or defibrinating agents.
For best results, use blood drawn less than 2 hours before. Do not use blood more than 24 hours from when it was drawn.

FICOLL PAQUE - 1077 is also called Histopaque 1077

PROTOCOL OF USE:

1) Thoroughly mix the Ficoll Paque Plus 1077 by inverting the bottle gently.
2) Aseptically transfer 3 ml of Ficoll Paque Plus 1077 to a 15 ml centrifuge tube.
3) Mix 2 ml of defibrinated or heparined blood with 2 ml of physiological saline (PBS w/o Ca w/o Mg) or balanced salt solution .
4) Carefully layer the diluted blood over 3 ml of Ficoll Paque (room temperature) in a 15 ml centrifuge, creating a sharp blood-Ficoll Paque Plus 1077 interphase. DO NOT MIX! The quality of the separation is dependent upon a sharp interphase between the lymphocytes and the solution.
5) Centrifuge the tube at 400G at room temperature for 15 to 30 minutes. Centrifugation should sediment erythrocytes and polynuclear leukocytes and band mononuclear lymphocytes above the Ficoll Paque Plus 1077.
6) Aspirate the top layer of clear plasma to within 2-3 mm above the lymphocyte layer.
7) Aspirate the lymphocyte layer plus about half of the Ficoll Paque Plus 1077 layer below it and transfer it to a centrifuge tube. Add an equal volume of buffered balanced salt solution to the lymphocyte layer in the centrifuge tube and centrifuge for 10 minutes at room temperature (18°C to 25°C) at a speed sufficient to sediment the cells without damage i.e., 160-260 g. Washing the cells removes Ficoll Paque Plus 1077 and reduces the percentage of patelets.
8) Wash the cells again with buffered balanced salt solution (ISL0615) and resuspend in the appropriate medium for your applications.