



Plasma separation media

Ahlstrom-Munksjö CytoSep®

Ahlstrom-Munksjö solid phase plasma separation media is the standard for whole blood diagnosis

Ahlstrom-Munksjö CytoSep® grades are single layer media consisting of high purity natural and synthetic fibers.

The untreated media contains no chemical interfering substances and shows no significant binding of plasma components. CytoSep® retains blood cells while allowing serum to flow rapidly.

The newest CytoSep® products, HV and HV Plus chemically treated, are designed to separate increased volumes of whole blood within the same area of media and for the prevention of hemolysis.

- Ahlstrom-Munksjö CytoSep® provides consistent and rapid lateral separation of whole blood
- Available in different thicknesses to accommodate range of whole blood sample volumes and test cartridge dimensions
- Faster blood absorption in HV and HV Plus yields higher volumes of plasma
- Customized sheet, roll, and specialty die cut sizes

Benefits and Characteristics

Ahlstrom-Munksjö CytoSep® is widely used for rapid separation of plasma from whole blood samples in lateral flow applications. The newest generation of CytoSep® HV products increases options for product development.

Sample physical properties	1660	HV (1667)	HV Plus (1668)
	Untreated	Untreated	Treated
Basis Weight (g/m ²)	73	70	70
Thickness (mm)	0.33	0.35	0.35
Time to absorption for 100 µL of blood (sec)	66	14	17
Diameter of red blood cell migration for 100 µL of blood (mm)	24	15	13
Average volume of plasma extracted from 100 µL of blood (µL)	12	25	>25
Wicking rate s/4 cm	74	43	62
Typical Whole Blood Sample Volume µL/cm ²	30-35	45-50	70-75

Key benefits of next generation CytoSep® HV plasma separation media

- Faster blood absorption and plasma separation
- Higher plasma yield for increases in line sensitivity
- Designed with hemolysis prevention in mind
- Ability to separate larger volume blood samples so that less material can be used in new designs
- Available treated with patent pending solution as CytoSep® HV Plus for higher performance

Also available: Original CytoSep® formulation in three thicknesses

Grade	Basis Weight g/m ²	Caliper mm	Wicking Rate s/4cm	Typical Water Absorption mg/cm ²	Typical Whole Blood Sample Volume µL/cm ²
1660	73	0.32	74	48	30-35
1662	142	0.61	31	76	40-45
1663	233	1.04	39	102	45-50

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