



In Vitro Diagnostic (IVD) materials

High performance fiber solutions

Ahlstrom-Munksjö offers a wide range of high quality materials for the manufacture of IVD devices

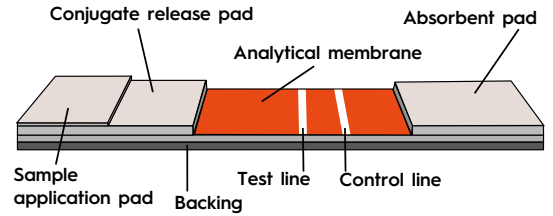
At Ahlstrom-Munksjö we use our experience and ability and your feedback to continue to develop new fiber-based solutions and options for your lateral flow, flow-through, and dipstick style devices.

We produce all our materials under closely monitored and tightly controlled conditions for the highest level of purity, consistency, and reliability in lot after lot to support your short-term and long-term test success.

- High purity media with no contaminate leaching
- Lot-to-lot uniformity for consistency of reproducibility in device formats
- Various media compositions - natural fibers, glass, synthetics and combinations
- Customized cutting and packaging options
- Customized pretreatment solutions available

Characteristics and benefits

At Ahlstrom-Munksjö we deliver uniform and consistent product to ensure reproducibility in diagnostic test formats. In Vitro Diagnostic series is available in a wide range of thicknesses, absorption levels and compositions. Our series of high value IVD component materials is designed for most immunochromatographic assays and body fluid collection.



Application	Recommended Grades	Composition
Sample Preparation	121, 141, 142	Glass Fibers
CytoSep® Blood Separation Media	1660, 1662, 1663, HV, HV Plus	Proprietary Fiber Blend
Sample Pad	222, 237, 238, 319, 601, 8950, 8951	Cotton Linters or Glass Fibers
Conjugate Release Pad	8917, 8914, 8950, 8951, 8964, 8980, 6613, 6614, 6615, ReliaFlow™	Glass Fiber or Polyester Fibers
Absorbent Pad	222, 237, 238, 270, 320, 440 (cotton/glass blend), 601	Cotton Linter Fibers
Dipstick Material	205, 222, 238, 601	Cotton Linter fibers

Typical Technical Data

Glass and Synthetic Materials

Grade	Basis Weight g/m ²	Caliper mm	Wicking Rate s/4 cm	Water Absorption mg/cm ²	Composition
121	143	0.66	53	88	Binder-free Microfiber Glass
141	123	0.66	27	132	Binder-free Microfiber Glass
142	120	0.85	29	108	Microfiber Glass w/Binder
6613	100	0.42	-	-	Polyester Fibers
6613H	100	0.42	30	27	Treated Polyester Fibers
6614 new	75	0.42	5 (s/2 cm)	57	Polyester Fibers w/Binder
6615	135	0.51	-	-	Polyester Fibers
ReliaFlow™	100	0.42	21	37	Pretreated Polyester Fibers
8914 new	60	0.34	4.5 (s/2 cm)	35	Microglass Fiber w/Binder
8917 new	62	0.33	7 (s/2 cm)	31	Microglass Fiber w/Binder
8950	50	0.25	12 (s/2 cm)	46	Chopped Glass w/Binder
8951	75	0.38	3 (s/2 cm)	63	Chopped Glass w/Binder
8964	75	0.43	5 (s/2 cm)	79	Chopped Glass w/Binder
8980 new	80	0.42	2.2 (s/2 cm)	56	Chopped Glass w/Binder

High Purity Cotton Fibers

Grade	Basis Weight g/m ²	Caliper mm	Wicking Rate s/4 cm	Water Absorption mg/cm ²
601	88	0.19	120	25
238	186	0.34	150	33
1281 (cotton/rayon blend)	70	0.38	65	60
237	183	0.42	86	38
319	179	0.48	18	53
222	291	0.83	20	88
440 (cotton/glass blend) new	435	1.44	33	130
270	439	1.82	25	175
320	702	2.48	10	244

Ahlstrom-Munksjö CytoSep®

Grade	Basis Weight g/m ²	Caliper mm	Wicking Rate s/4 cm	Water Absorption mg/cm ²	Typical Whole Blood Sample Volume µL/cm ²
HV (1667)	70	0.35	62	48	45-50
HV Plus (1668) - treated	70	0.35	43	48	70-75
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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