## Micropur Syringe Filters, Altmann Analytik

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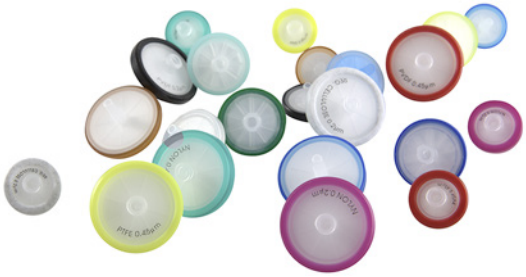
ALTMANN ANALYTIK



These syringe filters are ideal for filtering the sample solution before the injection. Different materials have their own specific properties. For this reason, the selection of the appropriate filter depends primarily on the filtration solutions used.

**Regenerated cellulose (RC):**
- Hydrophilic membrane with very low adsorption
- For aqueous and organic/aqueous liquids (polar and medium polar sample solutions)
- Binding capacity for proteins 84 µg/filter (with 25 mm filter)
- Perfect for biological samples
- High chemical resistance
- High flow rates

**Cellulose acetate (CA):**
- Hydrophilic membrane
- Very high shape stability in aqueous solutions
- Extremely low binding capacity for proteins 21 µg/filter (with 25mm filter)
- Especially suited for filtration of tissue cultures and biological macromolecules

**Polyamide (PA):**
- Hydrophilic membrane
- For aqueous and organic/aqueous medium polar liquids
- Resistant to many organic solvents
- Not resistant to acids and base
- High retention of proteins

**Polytetrafluorethylene (PTFE):**
- Hydrophobic membrane
- For non-polar liquids and gases
- Very resistant to all kinds of solvents, acids and bases
- Flushing with alcohol and water makes the originally hydrophobic membrane water-wettable
- Suitable for degasing of HPLC solvents
- Unsuitable for aqueous solutions

| Ø mm | Pore size µm | PU pc/Pack | Material RC **Order No.** | CA **Order No.** | PA **Order No.** | PTFE **Order No.** |
|---|---|---|---|---|---|---|
| 25 | 0.2 | 100 | **10 32 16011** | **10 32 16021** | **10 32 16031** | **10 32 16041** |
| 25 | 0.45 | 100 | **10 32 16012** | **10 32 16022** | **10 32 16032** | **10 32 16042** |
| 15 | 0.2 | 100 | **10 32 16013** | **10 32 16023** | **10 32 16033** | **10 32 16043** |
| 15 | 0.45 | 100 | **10 32 16014** | **10 32 16024** | **10 32 16034** | **10 32 16044** |