

Whatman™ GD/X™ Syringe Filters

Now available in Regenerated Cellulose (RC)

When you need to filter a high particulate solution, choose the Whatman GD/X Syringe Filter. This top-of-the-line disposable syringe filter allows you to filter more of your sample in less time. Now GD/X is available with the versatile RC membrane. RC membrane is naturally hydrophilic and is compatible with a wide array of organic solvents, enabling you to use the same filter type for both aqueous and organic samples.

Features and benefits

- **Increased volume throughput:** Volume of sample filtered can be three to seven times greater than conventional filters.
- **Superior performance:** Four layers of filtration media reduce blockage and the need to replace the filter in mid-operation.
- **Less hand force required:** The unique pre-filter layer allows high particulate samples to be filtered with less hand force, minimizing operator fatigue.
- **Chemically resistant to a wide range of solvents; suitable for aqueous and organic media:** Resistant to all common HPLC/UHPLC solvents.
- **Naturally hydrophilic:** No wetting agents to leach out as none are added to membrane.
- **Mechanically staple/high wet strength**

Applications

- Hard-to-filter samples
- Dissolution testing
- Content uniformity
- Environmental samples
- Composite assays
- Food analysis
- Biofuel analysis

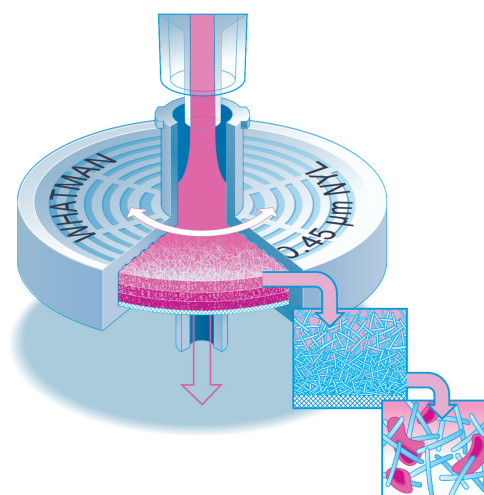
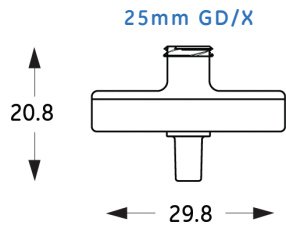
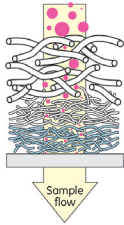


Fig 1. Proprietary Whatman filtration layers significantly enhance sample preparation efficiency.





GD/X syringe filters contain four filtration layers which help reduce blockage and increase volume throughput.



Layers 1 & 2

Glass microfiber prefilter GMF 150 (graded density) Filters from 10 μm to 1 μm



Layer 3

Glass microfiber prefilter GF/F filters down to 0.7 μm



Layer 4

Membrane filter RC. Filters down to 0.45 μm or 0.2 μm

Table 1. Characteristics

| | | |
|----------------------------------|---|---|
| Filtration area | 25 mm: 4.6 cm ² | |
| Maximum pressure | 25 mm: 75 psi (5.2 bar) at 20°C | |
| Materials of construction | Housing: Polypropylene | Filtration Media: Regenerated Cellulose |
| Hold-up volume | 25 mm: Full Housing: ~1.0 ml | With Air Purge: ~250 μl |
| Connectors | Inlet: Female Luer Lock (FLL) | Outlet: Male Luer (ML) |
| Flow direction | Flow from inlet to outlet (FLL to ML) | |
| Sterilization | Can be autoclaved at 121°C at 15 psi for 20 minutes | |

Ordering information- GD/X Syringe Filters with RC

| 25 mm Syringe Filters Non-Sterile | | |
|-----------------------------------|-----------------------------|----------------|
| Pack Size | Pore Size (μm) | Catalog Number |
| 150 | 0.2 | 6887-2502 |
| | 0.45 | 6882-2504 |
| 1500 | 0.2 | 6888-2502 |
| | 0.45 | 6883-2504 |

www.gelifesciences.com/GDX

GE Healthcare Bio-Sciences Corp.
800 Centennial Avenue, P.O. Box 1327
Piscataway, NJ 08855-1327 USA



GE, imagination at work and GE monogram are trademarks of General Electric Company.

Whatman and GD/X are trademarks of GE Healthcare companies.

All third party trademarks are the property of their respective owners.

© 2011 General Electric Company – All rights reserved.

First published March 2009.

3/2009 51749
28984434