Dissolution testing decision chart

Optimize your filter selection

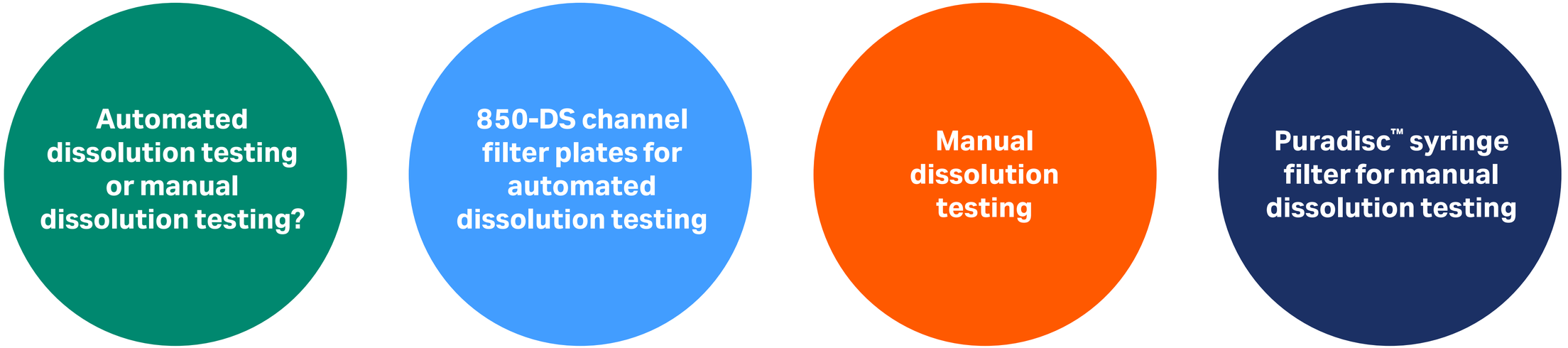
cytiva

Optimize your filter selection

Filtration plays a central part in dissolution testing, as it stops the dissolution testing process by separating the undissolved dosage components from the dissolved drug in the solution, leading to reliable results and securing batch to batch consistency.

Dissolution testing can be performed manually, or it can be automated. Both methods require multiple considerations when it comes to selecting the most appropriate filter. Use this decision matrix to help determine which filter to use based on your sample type.

Click on the dissolution method you are interested in to jump to the corresponding selection guide.



Automated dissolution testing or manual dissolution testing?

Click on the product names to be directed to the corresponding web shop page.

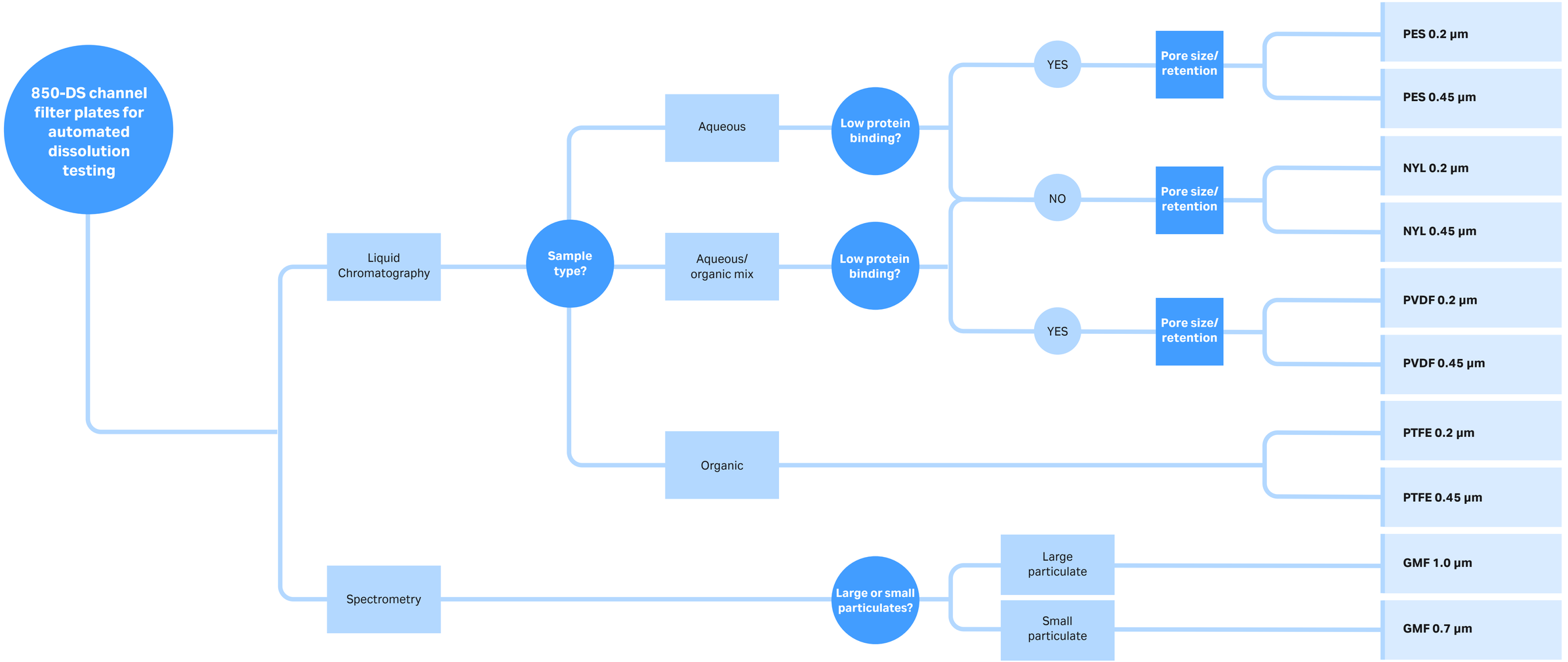
Automated dissolution testing or manual dissolution testing?

- Automated
  - **Agilent™ 850-DS autosampler instrument**
    - YES → **850-DS channel filter plates** → Continue on page 4
    - NO → **Roby filter** → **Analytical method?**
      - Spectrometry
        - Gel capsules → **Roby 25/GF55**
        - Large amounts of coarse particulates → **Roby 25/GF92**
      - Liquid chromatography
        - Membrane with broad chemical compatibility- not recommended where low protein binding is required → **Roby 25/0.45 NL**
        - Membrane with broad chemical compatibility-low protein binding, low extractables → **Roby 25/0.45 RC**
        - Samples with high levels of particulates → **Roby 25/0.45 RC-GF92**
- Manual → Continue on page 5

Not sure on which to choose?
Visit our Roby validation guide to help determine which is best for you.

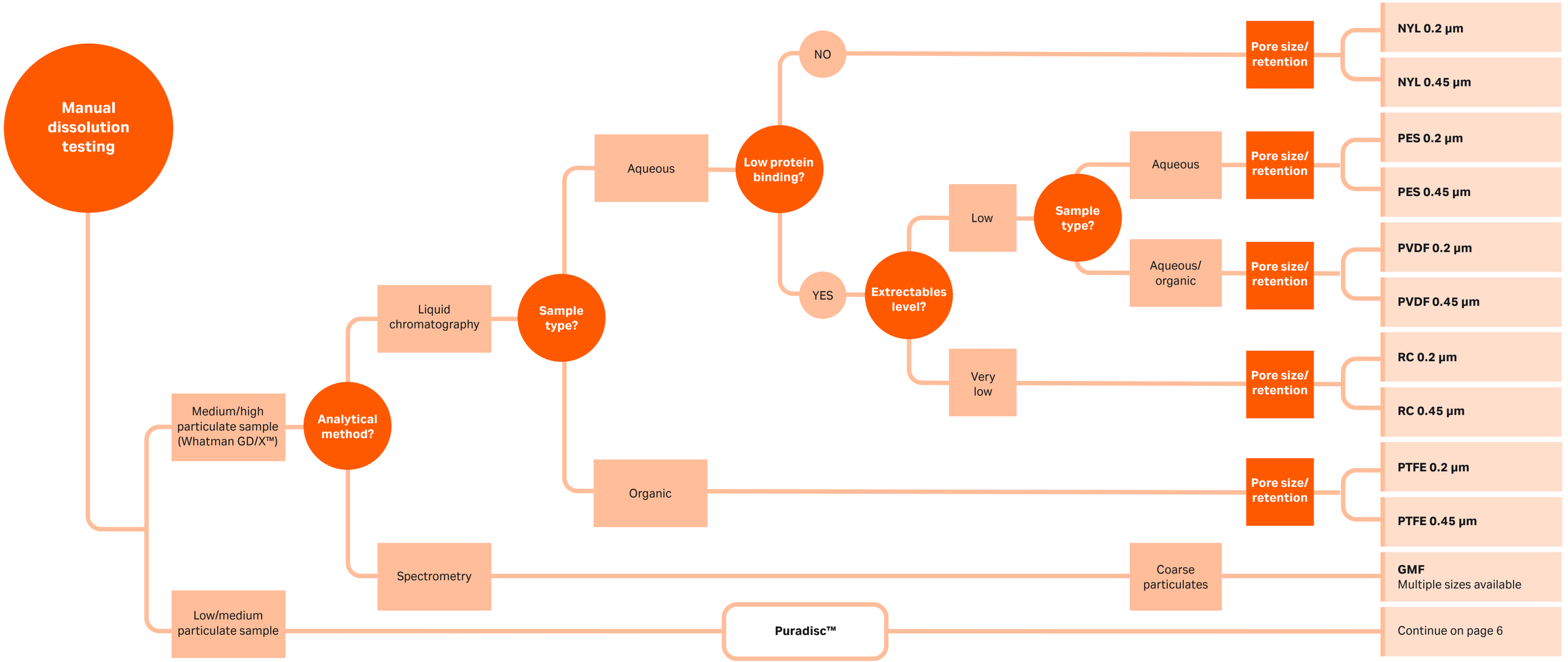
850-DS channel filter plates

Click on the product names to be directed to the corresponding web shop page.



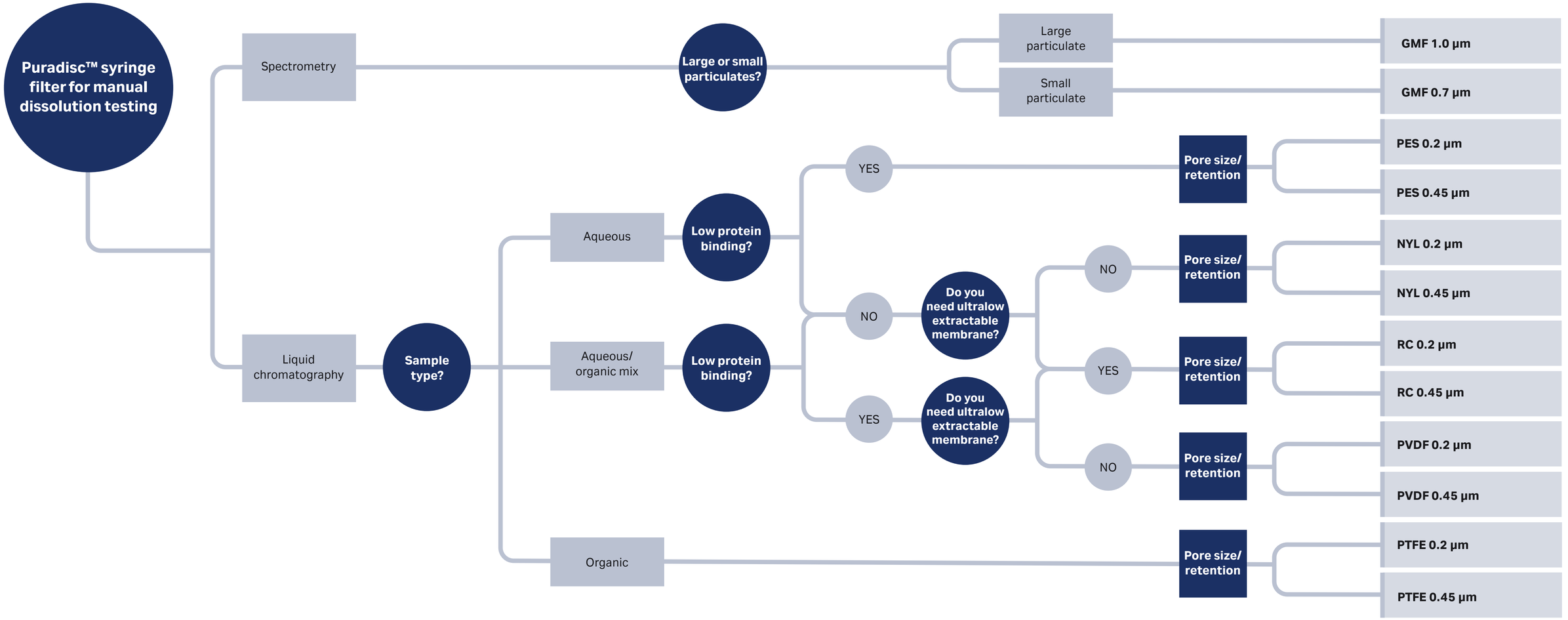
Manual dissolution testing

Click on the product names to be directed to the corresponding web shop page.



Puradisc™ syringe filter for manual dissolution testing

Click on the product names to be directed to the corresponding web shop page.



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