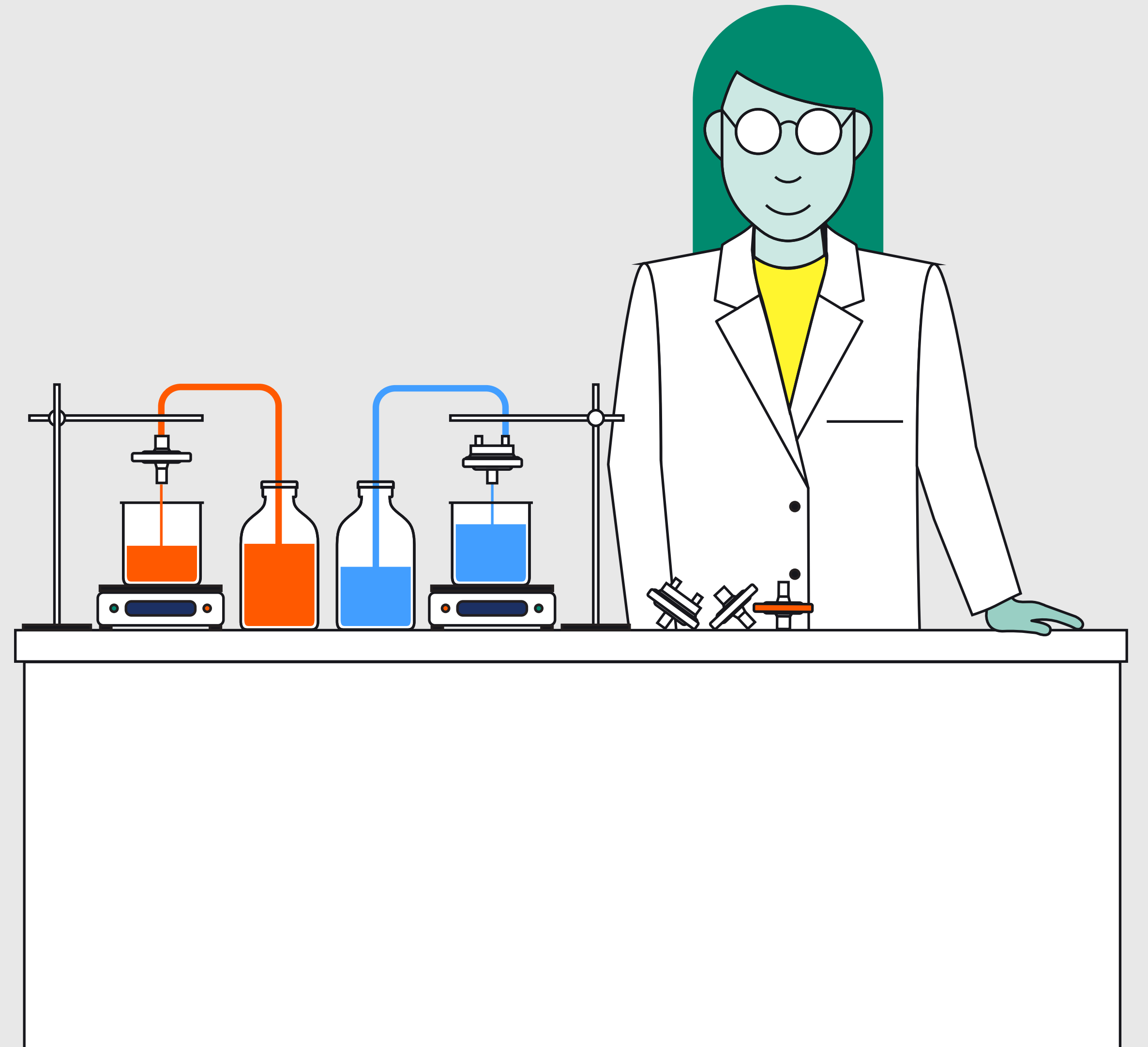


# Guide to bioprocess filters

For process development and biomanufacturing



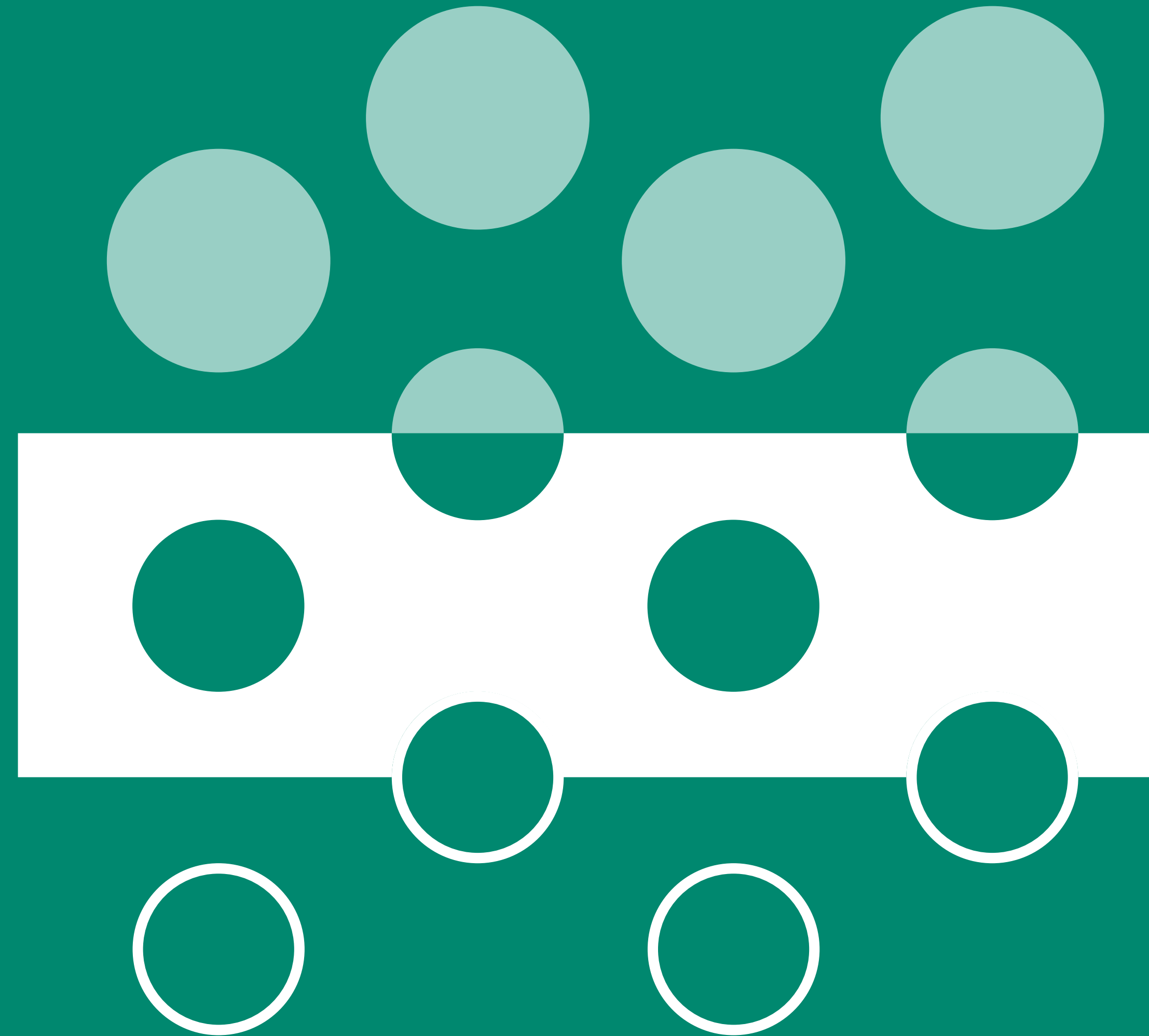
# Let's figure out your filtration

Finding the right filters for your process is essential — but that doesn't mean it's easy. Whether you're running a filterability trial for the first time or the nth time, we can help you select and test the filters you need to meet your process requirements efficiently.

From the smallest laboratory to the largest production plant, our skilled scientists and engineers are on hand to provide customized insight and solutions to optimize your processes — as we have been for close to 70 years.

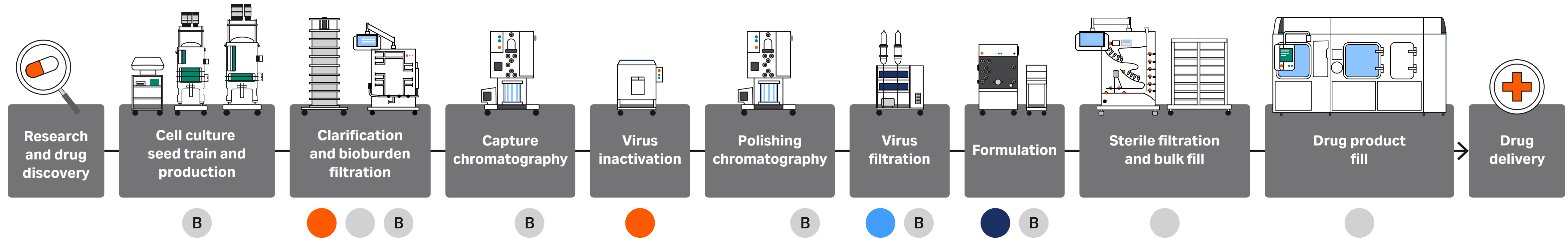
We work with you to select filtration, separation, or purification solutions that suit your application needs, on site or by simulation in one of our laboratories around the globe.

**Ready to get started? ▶**

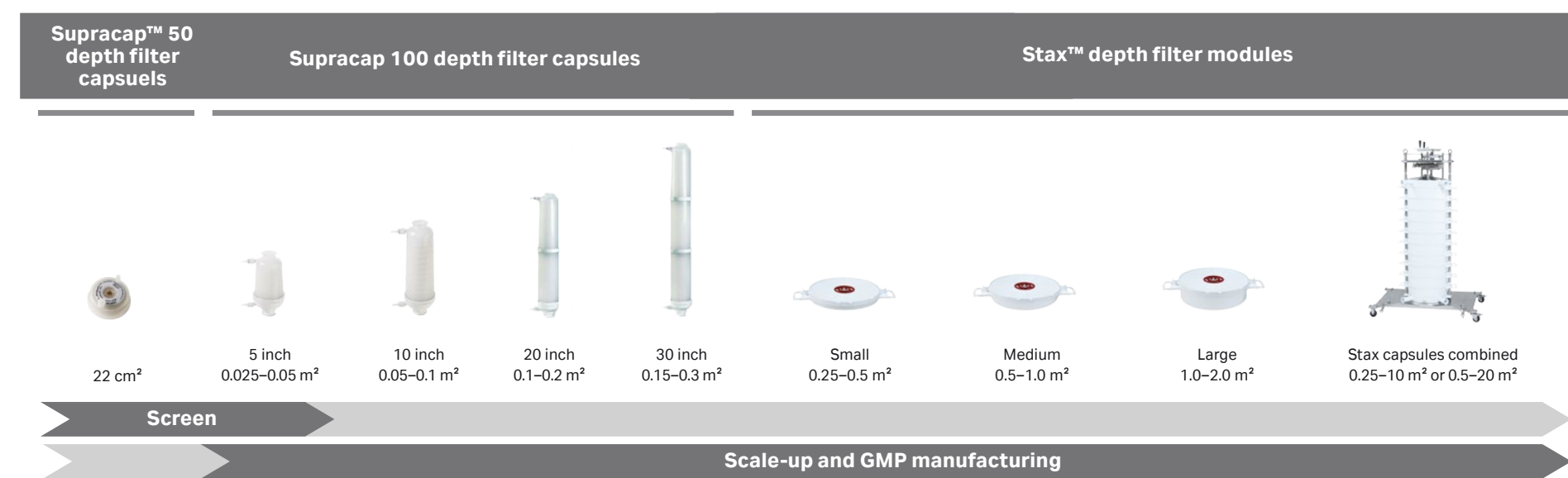


# Filtration formats for process development and manufacturing

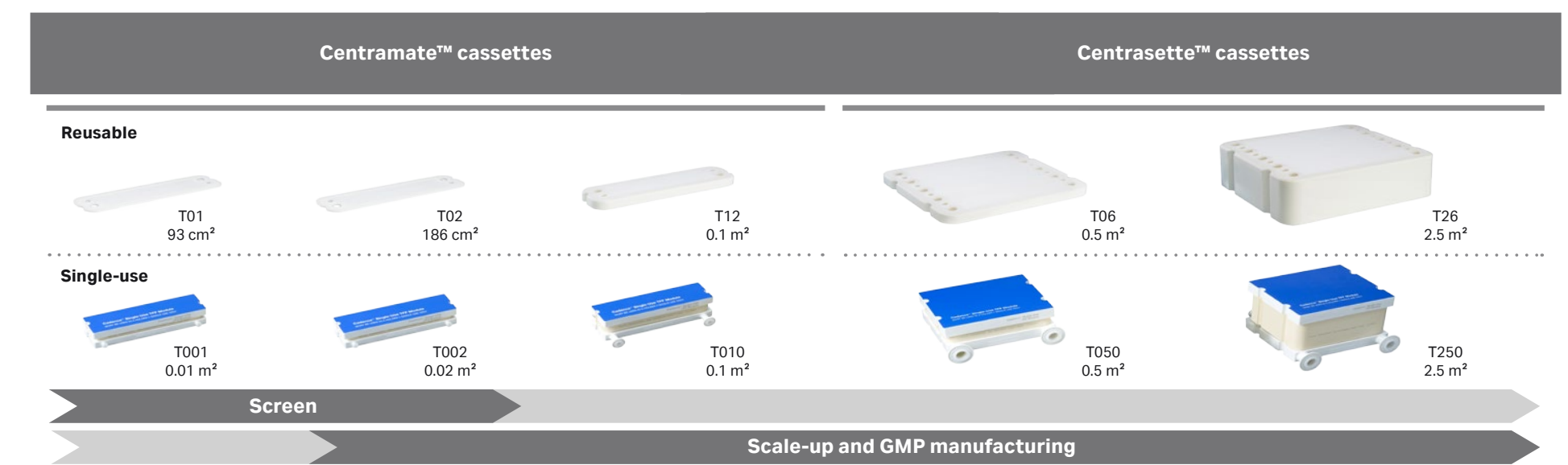
## Example workflow



### Depth filters



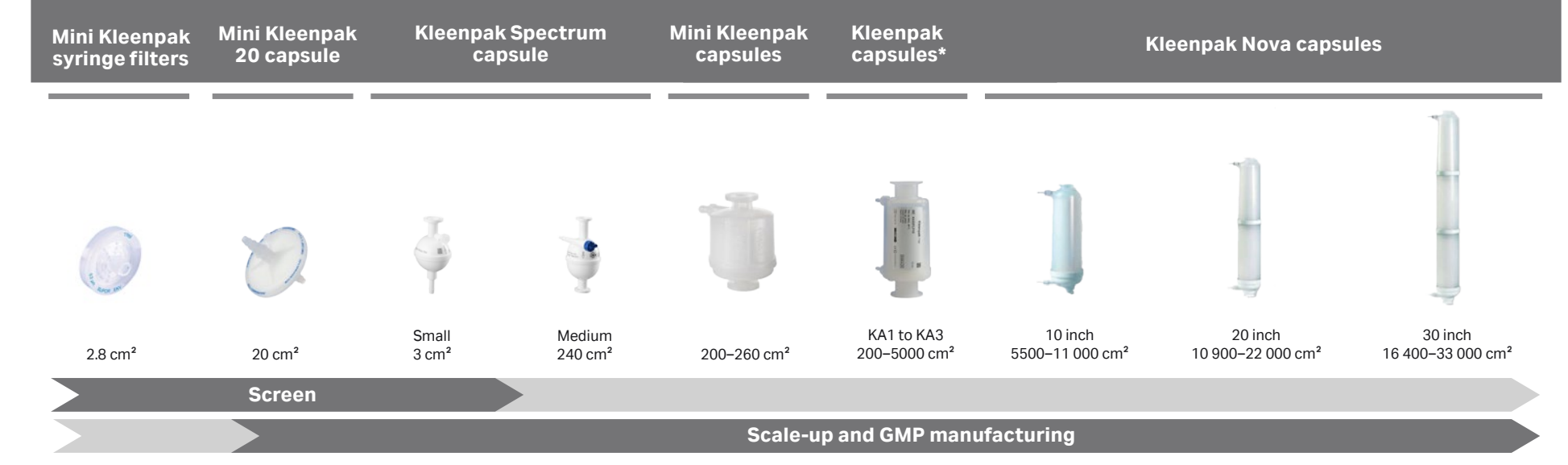
### Tangential flow filtration (TFF) cassettes



### Virus filtration



### Sterile filtration and bioburden control



Dot colors indicate filter formats typically used for each step.

**B** = Buffer and media filtration

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

**Depth filtration  
for clarification**

**Virus  
filtration**

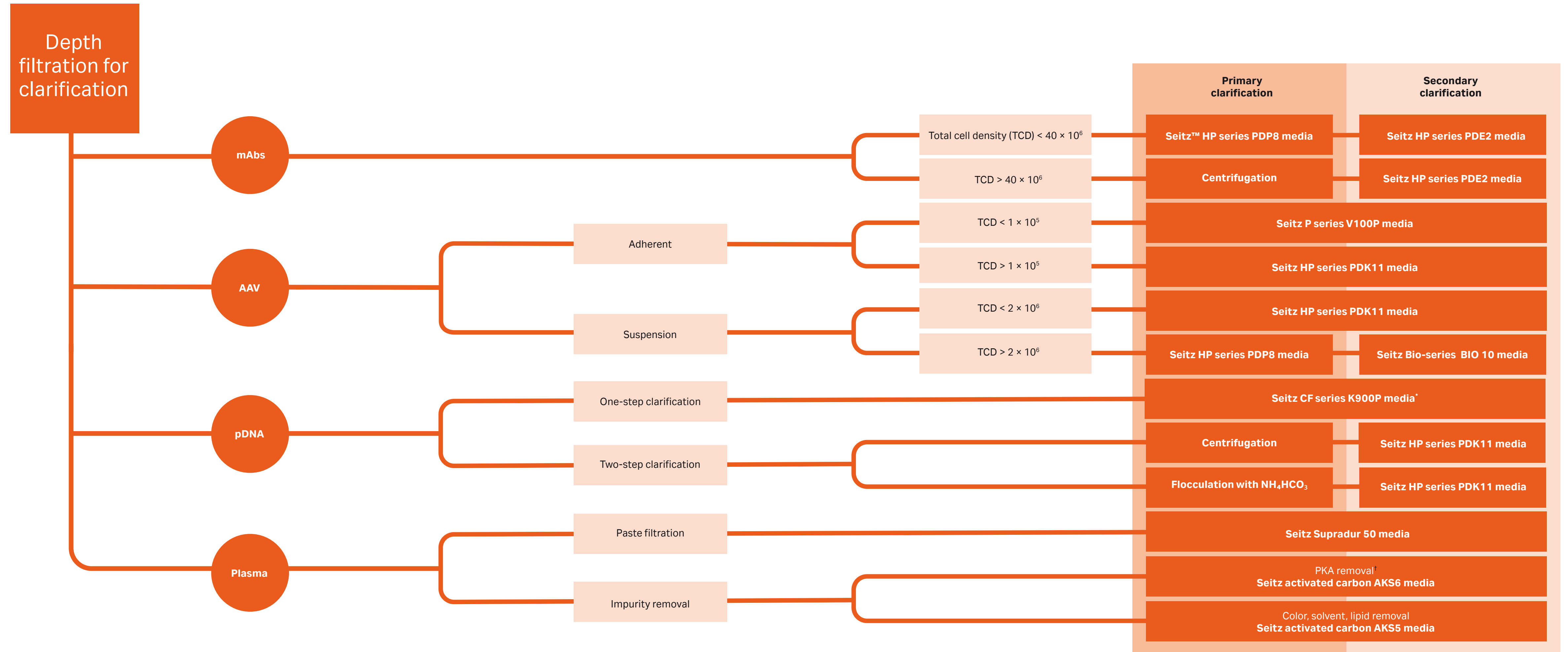
**Tangential  
flow filtration**

**Bioburden  
control and  
sterilizing  
filtration**

**Note:** You can use this guide as a starting point for filter selection, but it's always a good idea to consult with our filtration specialists to confirm your selection.

# Depth filtration for clarification

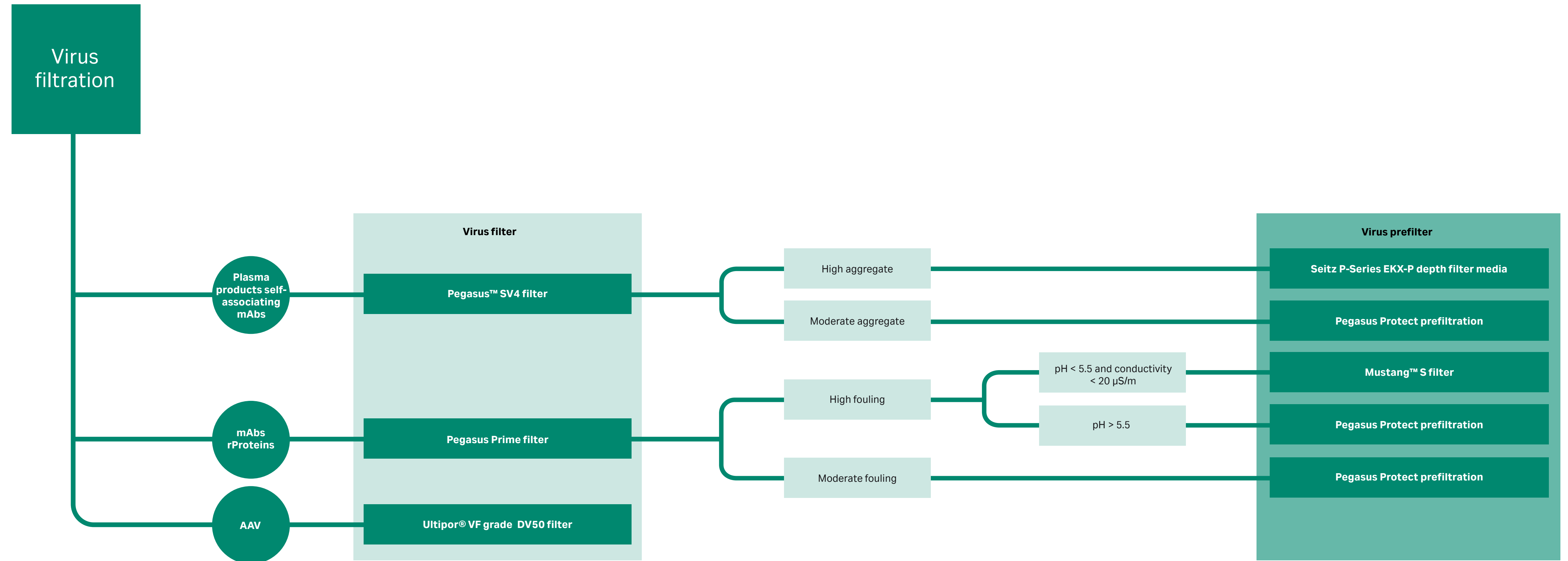
Click on the product names to be directed to the corresponding web page.



\* Requires addition of 1.0 M CaCl<sub>2</sub> to precipitate residual RNA and 2.0 – 2.5 w/% filter aid like Celpure® C300 (diatomaceous earth)  
<sup>†</sup> PKA = prekallikrein activator

# Virus filtration

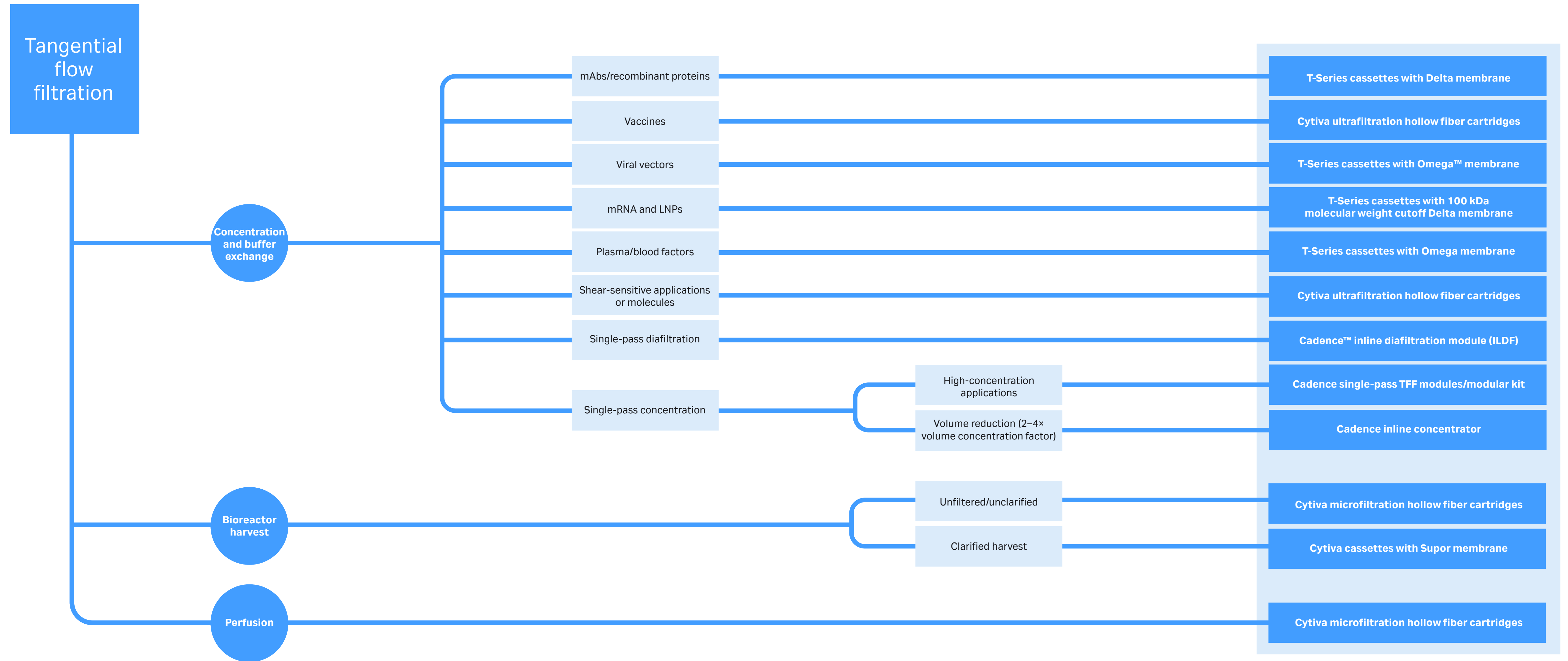
Click on the product names to be directed to the corresponding web page.



\* Requires addition of 1.0 M CaCl<sub>2</sub> to precipitate residual RNA and 2.0 – 2.5 w/w% filter aid like Celpure® C300 (diatomaceous earth)  
† PKA = prekallikrein activator

# Tangential flow filtration

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

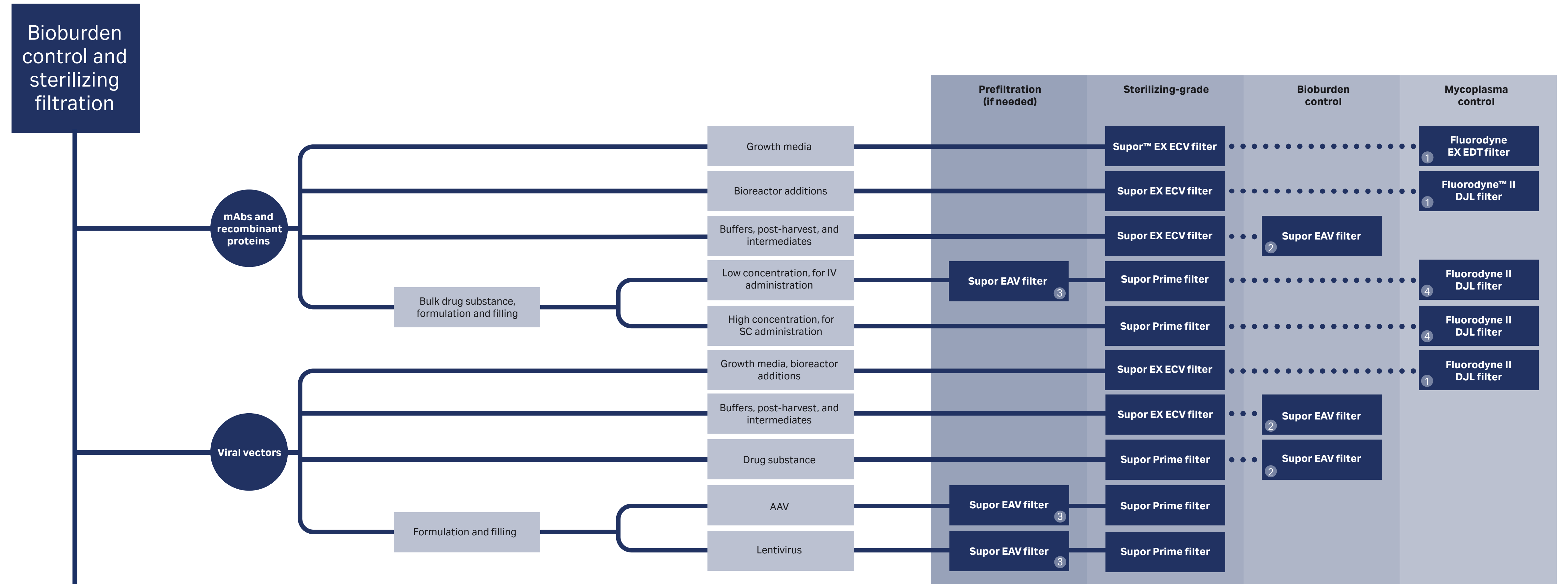


Both reusable and single-use options are available for hollow fibers and TFF cassettes.

For ordering information, visit [cytiva.com/filtration](https://www.cytiva.com/filtration)

# Bioburden control and sterilizing filtration

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

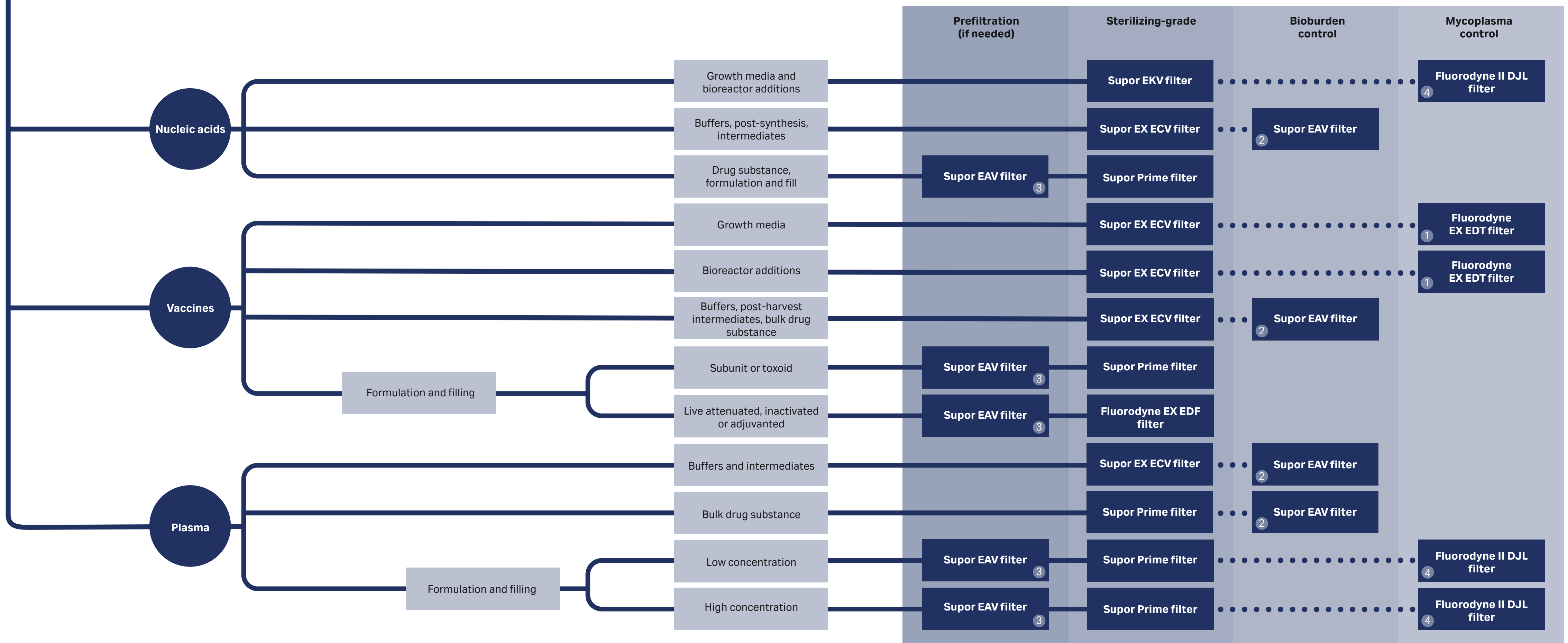


- 1 Choose this instead if mycoplasma control (0.1 µm pore size) is needed.
- 2 Choose this instead if only bioburden reduction is needed.
- 3 If needed before sterilizing-grade filter.
- 4 Choose this if enhanced safety is needed due to known contaminants that will pass through a 0.2 µm filter.

Bioburden control and sterilizing filtration continues on next page.



*Bioburden control and sterilizing filtration continuation*



- 1 Choose this instead if mycoplasma control (0.1 µm pore size) is needed.
- 2 Choose this instead if only bioburden reduction is needed.
- 3 If needed before sterilizing-grade filter.
- 4 Choose this if enhanced safety is needed due to known contaminants that will pass through a 0.2 µm filter.

This guide focuses on modern options. Additional filters are available, including filters for particulate filtration. Browse the full portfolio at **[cytiva.com/filtration](https://www.cytiva.com/filtration)**



Optimize your process with filterability trial support from Cytiva.

**[cytiva.link/xtrim](https://cytiva.link/xtrim)**

### **[cytiva.com/filtration](https://www.cytiva.com/filtration)**

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