

## Titan3 Syringe Filters

- Low extractable membranes and housing
- HPLC performance tested
- Color coding for easy selection of the correct membrane and pore size
- Enhanced Luer Lock inlet which prevents leakage
- Most 30mm devices are provided with a 1mm boro-silicate glass pre-filter  
This is of benefit for high solids samples with larger size particulates
- Integral ring provides greater strength to the housing preventing leakage and bursting
- 30mm products pressure rated to 120psi
- Packed in re-usable rigid transparent color coded containers



### Titan3 Nylon Syringe Filters

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
4	0.2	No	<b>42204-NN</b>	100 Pack
	0.45	No	<b>44504-NN</b>	100 Pack
17	0.2	No	<b>42213-NN</b>	200 Pack
	0.45	No	<b>44513-NN</b>	200 Pack
30	0.2	Yes	<b>42225-NN</b>	100 Pack
	0.45	Yes	<b>44525-NN</b>	100 Pack
	0.45	No	<b>44526-NN</b>	100 Pack
	1.5	No	<b>41225-NN</b>	100 Pack
	5	No	<b>45025-NN</b>	100 Pack

### Titan3 PTFE (Hydrophobic) Syringe Filters

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
4	0.2	No	<b>42204-NP</b>	100 Pack
	0.45	No	<b>44504-NP</b>	100 Pack
17	0.2	No	<b>42213-NP</b>	200 Pack
	0.45	No	<b>44513-NP</b>	200 Pack
30	0.2	Yes	<b>42225-NP</b>	100 Pack
	0.45	Yes	<b>44525-NP</b>	100 Pack
	1.0	No	<b>41025-NP</b>	100 Pack

### Titan3 PTFE (Hydrophilic) Syringe Filters

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
17	0.2	No	<b>42213-NPL</b>	200 Pack
	0.45	No	<b>44513-NPL</b>	200 Pack
30	0.2	No	<b>42225-NPL</b>	100 Pack
	0.45	No	<b>44525-NPL</b>	100 Pack

### Titan3 PVDF Syringe Filters

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
4	0.2	No	<b>42204-PV</b>	100 Pack
	0.45	No	<b>44504-PV</b>	100 Pack
17	0.2	Yes	<b>42213-PV</b>	200 Pack
	0.45	No	<b>44513-PV</b>	200 Pack
30	0.2	Yes	<b>42225-PV</b>	100 Pack
	0.45	No	<b>44525-PV</b>	100 Pack

### Applications:

- General laboratory filtration
- Filtration for most HPLC samples

### Applications:

- Filtration of aggressive organic, highly basic or hot solutions, transducer protectors
- Filter aqueous solutions after prewetting with an alcohol

### Applications:

- Filtration of aggressive organic, highly basic or hot solutions, without the need pre-wet membrane
- Filter aqueous solutions without prewetting with an alcohol

### Applications:

- General biological filtration
- Filtration of samples where high protein recovery is desired

**Titan3 Regenerated Cellulose Syringe Filters**

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
4	0.2	No	<b>52204-RC</b>	100 Pack
	0.45	No	<b>54504-RC</b>	100 Pack
17	0.2	Yes	<b>52213-RC</b>	200 Pack
	0.45	No	<b>54513-RC</b>	200 Pack
30	0.2	Yes	<b>52225-RC</b>	100 Pack
	0.45	No	<b>54525-RC</b>	100 Pack

**Titan3 PES (Polyethersulfone) Syringe Filters**

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
17	0.2	No	<b>42213-PS</b>	200 Pack
	0.45	No	<b>44513-PS</b>	200 Pack
30	0.2	Yes	<b>42225-PS</b>	100 Pack
	0.45	No	<b>44525-PS</b>	100 Pack

**Titan3 GMF (Glass Microfiber) Syringe Filters**

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
30	0.7	No	<b>40725-GM</b>	100 Pack
	1.2	No	<b>41225-GM</b>	100 Pack
	3.1	No	<b>42725-GM</b>	100 Pack

**Titan3 Polypropylene Syringe Filters**

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
17	0.2	No	<b>42213-PP</b>	200 Pack
	0.45	No	<b>44513-PP</b>	200 Pack
30	0.2	No	<b>42225-PP</b>	100 Pack
	0.45	No	<b>44525-PP</b>	100 Pack

**Titan3 Cellulose Acetate Syringe Filters**

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
4	0.2	No	<b>42204-CA</b>	100 Pack
	0.45	No	<b>44502-CA</b>	100 Pack
17	0.2	No	<b>42213-CA</b>	100 Pack
	0.45	No	<b>44513-CA</b>	100 Pack
30	0.2	No	<b>42225-CA</b>	100 Pack
	0.45	No	<b>44525-CA</b>	100 Pack

**Applications:**

- Low non-specific binding applications
- Tissue culture media filtration and general biological sample filtration

**Applications:**

- Ion chromatography
- Tissue culture filtration, filtration of proteins and nucleic acids
- High-temperature liquids

**Applications:**

- Dissolution testing
- General filtration

**Applications:**

- Filtration of biological samples
- Filtration of aggressive organic solutions

**Applications:**

- Tissue culture media filtration, sensitive biological samples



## Target2 Syringe Filters

- Low extractable membranes and housing
- HPLC performance tested
- Plain polypropylene housing
- 30mm products pressure rated to 100psi
- Enhanced Luer Lock inlet which prevents leakage



### Target2 Nylon Syringe Filters

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
4	0.2	No	<b>F2504-2</b>	100 Pack
	0.45	No	<b>F2504-1</b>	100 Pack
17	0.2	No	<b>F2513-2</b>	100 Pack
	0.45	No	<b>F2513-1</b>	100 Pack
30	0.2	No	<b>F2500-2</b>	100 Pack
		Yes	<b>F2502-2</b>	100 Pack
	0.45	No	<b>F2500-1</b>	100 Pack
		Yes	<b>F2502-1</b>	100 Pack
	1.5	No	<b>F2500-12</b>	100 Pack
	5.0	No	<b>F2500-50</b>	100 Pack

### Target2 PTFE Syringe Filters

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
4	0.2	No	<b>F2504-4</b>	100 Pack
	0.45	No	<b>F2504-3</b>	100 Pack
17	0.2	No	<b>F2513-4</b>	100 Pack
	0.45	No	<b>F2513-3</b>	100 Pack
30	0.2	No	<b>F2500-4</b>	100 Pack
		No	<b>F2500-3</b>	100 Pack
	Yes	<b>F2502-3</b>	100 Pack	
	1.0	No	<b>F2500-13</b>	100 Pack

### Target2 PVDF Syringe Filters

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
4	0.2	No	<b>F2504-6</b>	100 Pack
	0.45	No	<b>F2504-5</b>	100 Pack
17	0.2	No	<b>F2513-6</b>	100 Pack
	0.45	No	<b>F2513-5</b>	100 Pack
30	0.2	No	<b>F2500-6</b>	100 Pack
	0.45	No	<b>F2500-5</b>	100 Pack

#### Applications:

- General laboratory filtration
- Filtration for most HPLC samples

#### Applications:

- Filtration of aggressive organic, highly basic or hot solutions, transducer protectors
- Filter aqueous solutions after prewetting with an alcohol

#### Applications:

- General biological filtration
- Filtration of samples where high protein recovery is desired

**Target2 Regenerated Cellulose Syringe Filters**

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
4	0.2	No	<b>F2504-8</b>	100 Pack
	0.45	No	<b>F2504-7</b>	100 Pack
17	0.2	No	<b>F2513-8</b>	100 Pack
	0.45	No	<b>F2513-7</b>	100 Pack
30	0.2	No	<b>F2500-8</b>	100 Pack
	0.45	No	<b>F2500-7</b>	100 Pack

**Target2 PES (Polyethersulfone) Syringe Filters**

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
17	0.2	No	<b>F2513-17</b>	100 Pack
	0.45	No	<b>F2513-14</b>	100 Pack
30	0.2	No	<b>F2500-17</b>	100 Pack
	0.45	No	<b>F2500-14</b>	100 Pack

**Target2 GMF (Glass Microfiber) Syringe Filters**

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
30	0.7	No	<b>F2500-18</b>	100 Pack
	1.2	No	<b>F2500-19</b>	100 Pack
	3.1	No	<b>F2500-20</b>	100 Pack

**Target2 Polypropylene Syringe Filters**

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
4	0.2	No	<b>F2504-10</b>	100 Pack
	0.45	No	<b>F2504-9</b>	100 Pack
17	0.2	No	<b>F2513-10</b>	100 Pack
	0.45	No	<b>F2513-9</b>	100 Pack
30	0.2	No	<b>F2500-10</b>	100 Pack
	0.45	No	<b>F2500-9</b>	100 Pack
		Yes	<b>F2502-9</b>	100 Pack

**Target2 Cellulose Acetate Syringe Filters**

Diameter (mm)	Pore Size (µm)	PreFilter	Cat. No.	Quantity
4	0.2	No	<b>F2504-16</b>	100 Pack
	0.45	No	<b>F2504-15</b>	100 Pack
17	0.2	No	<b>F2513-16</b>	100 Pack
	0.45	No	<b>F2513-15</b>	100 Pack
30	0.2	No	<b>F2500-16</b>	100 Pack
	0.45	No	<b>F2500-15</b>	100 Pack

**Applications:**

- Low non-specific binding applications
- Tissue culture media filtration and general biological sample filtration

**Applications:**

- Ion chromatography
- Tissue culture filtration, filtration of proteins and nucleic acids
- High-temperature liquids

**Applications:**

- Dissolution testing
- General filtration

**Applications:**

- Filtration of biological samples
- Filtration of aggressive organic solutions

**Applications:**

- Tissue culture media filtration, sensitive biological samples

## All-Plastic Disposable Syringes

Disposable syringes with polyethylene barrels and polypropylene plungers; use for all syringe filter applications

- Two-part, all-plastic construction eliminates the need for rubber or synthetic plunger gaskets
- No silicone or oil lubricant is required in the barrel
- Choose Luer-Slip or Luer Lock syringes, in capacities ranging from 1 to 50mL



### All-Plastic Disposable Syringes

Capacity (mL)	Cat. No.	Quantity
<b>Luer-Slip Syringes</b>		
1	<b>S7510-1</b>	100 Pack
3	<b>S7510-3</b>	100 Pack
5	<b>S7510-5</b>	100 Pack
10	<b>S7510-10</b>	100 Pack
20	<b>S7510-20</b>	100 Pack
30	<b>S7510-30</b>	50 Pack
50	<b>S7510-50</b>	30 Pack
<b>Luer Lock Syringes</b>		
3	<b>S7515-3</b>	100 Pack
5	<b>S7515-5</b>	100 Pack
10	<b>S7515-10</b>	100 Pack
20	<b>S7515-20</b>	100 Pack

## 750µL Micro-Centrifugal Filters, Non-Sterile

Filter volumes as low as 50µL with low hold-up volume

- Filter volumes as low as 50µL up to 750µL with low hold-up volume
- Use with any laboratory microcentrifuge
- Virgin polypropylene filter housing with tapered 2mL, capped receiver tube
- 10,000xG maximum centrifugal force



### 750µL Micro-Centrifugal Filters, Non-Sterile

Material	Pore Size (µm)	Cat. No.	Quantity
Cellulose Acetate	0.2	<b>F2517-1</b>	100 Pack
Cellulose Acetate	0.45	<b>F2517-2</b>	100 Pack
Nylon	0.2	<b>F2517-3</b>	100 Pack
Nylon	0.45	<b>F2517-4</b>	100 Pack
PVDF	0.2	<b>F2517-5</b>	100 Pack
PVDF	0.45	<b>F2517-6</b>	100 Pack
Regenerated Cellulose	0.2	<b>F2517-7</b>	100 Pack
Regenerated Cellulose	0.45	<b>F2517-8</b>	100 Pack
PTFE	0.2	<b>F2517-9</b>	100 Pack
PTFE	0.45	<b>F2517-10</b>	100 Pack

## 2mL Centrifugal Filters, Non-Sterile

- Filter sample volumes up to 2mL
- Virgin polypropylene filter housing with tapered 5mL, capped receiver tube
- Use with benchtop or floor model centrifuges
- 5,000xG maximum centrifugal force



### 2mL Centrifugal Filters, Non-Sterile

Material	Pore Size (µm)	Cat. No.	Quantity
Cellulose Acetate	0.2	<b>F2520-1</b>	25 Pack
Cellulose Acetate	0.45	<b>F2520-2</b>	25 Pack
Nylon	0.2	<b>F2520-3</b>	25 Pack
Nylon	0.45	<b>F2520-4</b>	25 Pack
PVDF	0.2	<b>F2520-5</b>	25 Pack
PVDF	0.45	<b>F2520-6</b>	25 Pack
PTFE	0.2	<b>F2520-7</b>	25 Pack
PTFE	0.45	<b>F2520-8</b>	25 Pack

## 25mL Centrifugal Filters, Non-Sterile

- Filter sample volumes up to 25mL
- Virgin polypropylene filter housing with conical receiver
- Use with benchtop or floor model centrifuges
- 2,500xG maximum centrifugal force



### 25mL Centrifugal Filters, Non-Sterile

Material	Pore Size (µm)	Cat. No.	Quantity
Cellulose Acetate	0.2	<b>F2519-1</b>	50 Pack
Cellulose Acetate	0.45	<b>F2519-2</b>	50 Pack
Nylon	0.2	<b>F2519-3</b>	50 Pack
Nylon	0.45	<b>F2519-4</b>	50 Pack
PVDF	0.2	<b>F2519-5</b>	50 Pack
PVDF	0.45	<b>F2519-6</b>	50 Pack