



# FRONTIER™ 5000 SERIES

Multi-Pro Centrifuges



## ***Powerful and Versatile Universal Centrifuges for Virtually Every Lab Application***

Frontier 5000 Multi-Pro Centrifuges are designed for universal use in multiple applications in research, industrial, and clinical laboratories and can be combined with our range of rotors and accessories for customized use. Available in 7 models with capacities from 0.2 ml to 4 × 750 ml - and feature high speed performance at maximum volume, automatic rotor identification and safety features.

### ***Unique Features Include:***

- **Versatile Platform Offers Maximum Flexibility for a Range of Applications**  
Our multi-purpose centrifuges offer a high-speed centrifugation platform which can be customized to fit workflow needs using a wide variety of rotors and accessories.
- **Intuitively Designed for User-Friendly Operation**  
The intuitive design of the centrifuges & accessories enable easy access to parameter settings, and quick rotation between applications. Features include automatic rotor recognition and backlit LCD.
- **Solid Engineering Ensures Reliability and Durability**  
The performance of these centrifuges is propelled by German engineering, and high-quality components for reliable use. Constructed of chemical-resistant stainless steel to ensure durability in lab use.
- **Increased Safety With Built-in Protective Features**  
Frontier 5000 Series is equipped with protective features, including automatic over-speed protection, imbalance detection and self-diagnostic system to ensure reliable use and operator safety.

# FRONTIER 5000 SERIES *Multi-Pro Centrifuges*

## Maximum Application Flexibility

Choose from seven models from small to medium capacity, speed range of 14,000 – 18,000 rpm and non-refrigerated/refrigerated options to suit your application. Ideal for spinning most tubes and bottles in the lab, including microtubes, blood tubes, round bottom tubes, conical tubes and microtiter plates.

### FC5714 Centrifuge (non-refrigerated)

- Compatible with up to 9 optional rotors and 77 accessories
- Capacities from microliter (0.2 ml per tube) to 4 × 100 ml
- High-speed centrifugation (>10000 rpm) from 0.2 ml up to 1.5/2.0 ml tubes

### FC5718 (non-refrigerated) and FC5718R (refrigerated) Centrifuges

- Compatible with up to 19 optional rotors and 122 accessories
- Capacities from microliter (0.2 ml per tube) to 4 × 100 ml
- High-speed centrifugation (>10000 rpm) from 0.2 ml up to 85 ml tubes
- Temperature variable range of -20 °C to 40 °C (FC5718R)

### FC5816 (non-refrigerated) and FC5816R (refrigerated) Centrifuges

- Compatible with up to 13 optional rotors and 71 accessories
- Capacities from microliter (0.2 ml per tube) to 6 × 250 ml
- Improved sample processing through-put with additional rotor for blood collection tubes and standard conical tubes
- High-speed centrifugation (>10000 rpm) from 0.2 ml up to 85 ml tubes
- Temperature variable range of -20 °C to 40 °C (FC5816R)

### FC5916 (non-refrigerated) and FC5916R (refrigerated) Centrifuges

- Compatible with up to 14 optional rotors and 75 accessories
- Capacities from microliter to 4 × 750 ml
- Improved sample processing through-put with additional rotor for blood collection tubes and standard conical tubes
- High-speed centrifugation (>10000 rpm) from 0.2 ml up to 85 ml tubes
- Temperature variable range of -20 °C to 40 °C (FC5916R)



## Intuitively Designed for Simple Operation

Frontier 5000 Series was designed to make lab processes more efficient and easier, and includes many user-friendly features & software that allow for intuitive operation.

- Automatic rotor identification makes switching between applications extremely easy
- Simple one-hand operation enabled by the selection button/rotary knob combination — even when wearing gloves
- Large backlit LCD display shows centrifugation settings and real-time parameters on one interface
- Program storage up to 99 runs including parameter settings and rotor types



## Solid Engineering Ensures Reliability

Manufactured with high-quality components for reliable use and German engineered for high performance.

- Maintenance-free induction drive
- Thread-free rotor locking mechanism
- Optimized airflow system to keep samples cool (non-refrigerated models)
- Pre-cooling program to quickly reach desired temperature (refrigerated models)
- Chemical and corrosion-resistant stainless steel housing ensures durability in lab environments
- Self-diagnostic program to record usage and error history for easy maintenance and to minimize downtime



# FRONTIER 5000 SERIES *Multi-Pro Centrifuges*

| FC5916/FC5916R                                    |           | 0.2/<br>0.4 ml | 0.5 ml | 1.5/<br>2.0 ml | 4.5 ml | 5 ml | 7 ml | 10 ml | 15 ml | 16 ml | 25 ml | 30 ml | 50 ml | 85 ml | 100 ml | 175 /<br>225 ml | 250 ml | 500 ml | 750 ml | 4-<br>10 ml* | 5-<br>7 ml* | PCR | MTP |
|---|-----------|----------------|--------|----------------|--------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|-----------------|--------|--------|--------|--------------|-------------|-----|-----|
| <b>Angle rotor, 24 × 1.5/2.0 ml, ID, BIOSEALS</b> |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Item  | 30304361  |                | ▲      | ▲              | ●      |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| For   | FC5916    | FC5916R        |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Max Speed   | 16000 rpm | 16000 rpm      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Max RCF   | 24325 × g | 24325 × g      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| <b>Angle rotor, 6 × 250 ml, ID</b>                |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Item  | 30314821  |                |        |                | ▲      |      |      | ▲     | ▲     |       |       | ▲     | ▲     |       |        |                 | ●      |        |        |              |             |     |     |
| For   | FC5916    | FC5916R        |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Max Speed   | 8000 rpm  | 8000 rpm       |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Max RCF   | 10016 × g | 10016 × g      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| <b>Swing out rotor, 2 × 3MTP, ID</b>              |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     | ●   |
| Item  | 30314824  |                |        |                | ▲      |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| For   | FC5916    | FC5916R        |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Max Speed   | 4500 rpm  | 4500 rpm       |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Max RCF   | 2716 × g  | 2716 × g       |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| <b>Angle rotor, 6 × 85 ml, ID</b>                 |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Item  | 30314826  |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| For   | FC5916    | FC5916R        |        |                |        |      |      |       | ▲     | ▲     |       | ▲     | ▲     | ●     |        |                 |        |        |        |              |             |     |     |
| Max Speed   | 11000 rpm | 13000 rpm      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Max RCF   | 15555 × g | 21726 × g      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| <b>Angle rotor, 4 × 85 ml, ID, Hi</b>             |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Item  | 30314827  |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| For   | FC5916    | FC5916R        |        |                |        |      |      |       | ▲     |       |       | ▲     | ▲     | ●     |        |                 |        |        |        |              |             |     |     |
| Max Speed   | 15000 rpm | 16000 rpm      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Max RCF   | 23140 × g | 26328 × g      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| <b>Angle rotor, 10 × 50 ml, ID</b>                |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Item  | 30314829  |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| For   | FC5916    | FC5916R        |        |                | ▲      |      | ▲    | ▲     | ▲     |       |       |       |       | ●     |        |                 |        |        |        |              |             |     |     |
| Max Speed   | 10000 rpm | 10500 rpm      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Max RCF   | 14532 × g | 16022 × g      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| <b>Angle rotor, 6 × 50 ml, ID, Hi</b>             |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Item  | 30314831  |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| For   | FC5916    | FC5916R        |        |                |        |      |      |       | ▲     | ▲     |       | ▲     | ●     |       |        |                 |        |        |        |              |             |     |     |
| Max Speed   | 13000 rpm | 13000 rpm      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Max RCF   | 15869 × g | 15869 × g      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| <b>Angle rotor, 20 × 10 ml, ID, Hi</b>            |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Item  | 30314833  |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| For   | FC5916    | FC5916R        |        |                |        |      |      |       |       |       |       |       |       | ●     |        |                 |        |        |        |              |             |     |     |
| Max Speed   | 12000 rpm | 12000 rpm      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |
| Max RCF   | 15775 × g | 15775 × g      |        |                |        |      |      |       |       |       |       |       |       |       |        |                 |        |        |        |              |             |     |     |

● Adapter not required

▲ With adapter

\* Blood collection tube  
ID: auto rotor identification  
Hi: version with higher speed

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| FC5916/FC5916R                                    |           |           | 0.2/<br>0.4 ml | 0.5 ml | 1.5/<br>2.0 ml | 4.5 ml | 5 ml | 7 ml | 10 ml | 15 ml | 16 ml | 25 ml | 30 ml | 50 ml | 85 ml | 100 ml | 175/<br>225 ml | 250 ml | 500 ml | 750 ml | 4-10 ml* | 5-7 ml* | PCR | MTP |
|---|-----------|-----------|----------------|--------|----------------|--------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|----------------|--------|--------|--------|----------|---------|-----|-----|
| <b>Angle rotor, 44 × 1.5/2.0 ml, ID</b>           |           |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Item  | 30314835  |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| For   | FC5916    | FC5916R   | ▲              | ▲      | ●              |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Max Speed   | 16000 rpm | 16000 rpm |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Max RCF   | 24325 × g | 24325 × g |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| <b>Angle rotor, 30 × 1.5/2.0ml, ID, Sealable</b>  |           |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Item  | 30314836  |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| For   | FC5916    | FC5916R   | ▲              | ▲      | ●              |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Max Speed   | 15000 rpm | 15000 rpm |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Max RCF   | 23643 × g | 23643 × g |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| <b>Angle rotor, 24 × 1.5/2.0 ml, ID</b>           |           |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Item  | 30314838  |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| For   | FC5916    | FC5916R   | ▲              | ▲      | ●              |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Max Speed   | 16000 rpm | 16000 rpm |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Max RCF   | 24325 × g | 24325 × g |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| <b>Swing out rotor, 16 × 50 ml, ID</b>            |           |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Item  | 30314841  |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| For   | FC5916    | FC5916R   |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     | ●   |
| Max Speed   | 15000 rpm | 15000 rpm |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Max RCF   | 15343 × g | 15343 × g |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| <b>Rotor, Swing Out, 4 × 750 ml, ID, Sealable</b> |           |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Item  | 30553085  |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| For   | FC5916    | FC5916R   |                |        |                |        |      | ▲    | ▲     | ▲     |       |       | ▲     | ▲     |       |        | ▲              | ▲      | ▲      | ▲      | ▲        | ▲       | ●   | ▲   |
| Max Speed   | 4000 rpm  | 4500 rpm  |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Max RCF   | 3434 × g  | 4346 × g  |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| <b>Angle rotor, 4 × 500 ml, ID</b>                |           |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Item  | 30553086  |           |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| For   | FC5916    | FC5916R   |                |        |                |        |      |      |       | ▲     |       |       | ▲     | ▲     |       |        | ▲              | ▲      | ●      |        |          |         |     |     |
| Max Speed   | 8000 rpm  | 8000 rpm  |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |
| Max RCF   | 10367 × g | 10367 × g |                |        |                |        |      |      |       |       |       |       |       |       |       |        |                |        |        |        |          |         |     |     |

● Adapter not required      ▲ With adapter

\* Blood collection tube  
 ID: auto rotor identification  
 Hi: version with higher speed

# FRONTIER 5000 SERIES *Multi-Pro Centrifuges*

| Model                                | FC5714   |       | FC5718                                      |       | FC5718R                                      |       | FC5816                                       |       | FC5816R                                      |       | FC5916                                       |       | FC5916R                                      |        |
|--------------------------------------|--|-------|---|-------|--|-------|--|-------|--|-------|--|-------|--|--------|
| Speed Range                          | 200 - 14000 rpm<br>10 rpm/set                            |       | 200 - 18000 rpm<br>10 rpm/set               |       | 200 - 18000 rpm<br>10 rpm/set                |       | 200 - 15000 rpm<br>10 rpm/set                |       | 200 - 16000 rpm<br>10 rpm/set                |       | 200 - 16000 rpm<br>10 rpm/set                |       | 200 - 16000 rpm<br>10 rpm/set                |        |
| RCF Range                            | 20 - 18624 × g<br>10 × g/set                             |       | 20 - 23542 × g<br>10 × g/set                |       | 20 - 23542 × g<br>10 × g/set                 |       | 20 - 21379 × g<br>10 × g/set                 |       | 20 - 24325 × g<br>10 × g/set                 |       | 20 - 24325 × g<br>10 × g/set                 |       | 20 - 26331 × g<br>10 × g/set                 |        |
| Maximum Capacity                     | 4 × 100 ml   |       | 4 × 100 ml                                  |       | 4 × 100 ml                                   |       | 6 × 250 ml                                   |       | 6 × 250 ml                                   |       | 4 × 750 ml                                   |       | 4 × 750 ml                                   |        |
| Temperature range                    | Air cool   |       | Air cool                                    |       | -20~40 °C                                    |       | Air cool                                     |       | -20~40 °C                                    |       | Air cool                                     |       | -20~40 °C                                    |        |
| Running Time                         | Short Spin, 10 sec to 99 hr 59 min 59 sec, or continuous |       |   |       |  |       |  |       |  |       |  |       |  |        |
| Noise Level (depending on the rotor) | ≤ 63 ± 2 dB(A)   |       | ≤ 60 ± 2 dB(A)                              |       | ≤ 60 ± 2 dB(A)                               |       | ≤ 61 ± 2 dB(A)                               |       | ≤ 63 ± 2 dB(A)                               |       | ≤ 63 ± 2 dB(A)                               |       | ≤ 63 ± 2 dB(A)                               |        |
| Number of Compatible Rotors          | 9  |       | 19  |       | 19   |       | 13   |       | 13   |       | 14   |       | 14   |        |
| Acc/Dec Levels                       | 10   |       |   |       |  |       |  |       |  |       |  |       |  |        |
| Allowable Kinetic Energy             | 5595 Nm  |       | 16672 Nm                                    |       | 25111 Nm                                     |       | 34363 Nm                                     |       | 34363 Nm                                     |       | 60629 Nm                                     |       | 54458 Nm                                     |        |
| AC Power                             | 120V ~ 50/60 Hz<br>230 V ~ 50/60 Hz                      |       |   |       |  |       |  |       |  |       |  |       |  |        |
| Current Consumption                  | 2.4 A  | 1.1 A | 4.0 A                                       | 2.0 A | 6.0 A  | 3.0 A | 4.2 A  | 2.4 A | 7.8 A  | 3.7 A | 5.6 A  | 2.8 A | 20 A   | 7.2 A  |
| Power Consumption                    | 300 W  | 240 W | 475 W                                       | 455 W | 660 W  | 660 W | 520 W  | 530 W | 850 W  | 785 W | 640 W  | 680 W | 1630 W                                       | 1750 W |
| Voltage Fluctuation                  | ± 10 %   |       |   |       |  |       |  |       |  |       |  |       |  |        |
| Dimensions (W × D × H)               | 362 × 493 × 330 mm<br>14.3 × 19.5 × 13.0 in.             |       | 408 × 499 × 351mm<br>16.1 × 19.7 × 13.9 in. |       | 407 × 731 × 359 mm<br>16.1 × 28.8 × 14.2 in. |       | 446 × 538 × 354 mm<br>17.6 × 21.2 × 14.0 in. |       | 723 × 538 × 354 mm<br>28.5 × 21.2 × 14.0 in. |       | 780 × 670 × 590 mm<br>30.8 × 26.4 × 23.3 in. |       | 900 × 750 × 560 mm<br>35.5 × 29.6 × 22.1 in. |        |
| Net Weight (without rotor)           | 30 kg / 66.2 lb  |       | 43 kg / 94.8 lb                             |       | 60 kg / 132.3 lb                             |       | 52 kg / 114.7 lb                             |       | 77 kg / 169.8 lb                             |       | 98 kg / 216.1 lb                             |       | 137 kg / 302.1 lb                            |        |
| Environment                          | For indoor use only                                      |       |   |       |  |       |  |       |  |       |  |       |  |        |

## Other Standard Features and Equipment

Ten acceleration and ten deceleration rates, pre-selection of running time from 10s to 99h 59min or continuous, audible signal at the end of each run with melody options, quick spin, CFC-free refrigeration system, sample temperature indication and standstill cooling (refrigerated models)

## Compliance

- **Product Safety:** EN 61010-1; EN 61010-2-020
- **EMC:** EN 61326-1

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# FRONTIER 5000 SERIES *Multi-Pro Accessories*


|  |   |           |                    |   |                      |                  |                          |           |
|--|---|-----------|--------------------|---|----------------------|------------------|--------------------------|-----------|
|  | <b>Order No.</b>                            | 30304361  | <b>Description</b> | <b>Rotor, Angle, 24 x 1.5/2.0ml, ID, BIOSEALS</b> |                      |                  |                          |           |
|  | <b>Compatible to</b>                        | FC5714    | FC5718             | FC5718R   | FC5816               | FC5816R          | FC5916                   | FC5916R   |
|  | <b>max. speed</b>                           | 14000 rpm | 14000 rpm          | 15000 rpm   | 15000 rpm            | 16000 rpm        | 16000 rpm                | 16000 rpm |
|  | <b>max. RCF</b>                             | 18624 x g | 18624 x g          | 21379 x g   | 21379 x g            | 24325 x g        | 24325 x g                | 24325 x g |
| <b>Accessories</b>   |   |           |                    |   |                      |                  |                          |           |
| <b>Order No.</b>   | <b>Description</b>                          |           |                    | <b>Vol./Tube</b>                                  | <b>Tube Diameter</b> | <b>Tube type</b> | <b>No.of tubes/rotor</b> |           |
| Without Adapter  | Rotor, Angle, 24 x 1.5/2.0 ml, ID, BIOSEALS |           |                    | 1.5/2.0 ml  | 11 mm                | Micro tube       | 24                       |           |
| 30130885   | Adapter, 1 x 0.5 ml D8mm, 6/pk              |           |                    | 0.5 ml  | 8 mm                 | Micro tube       | 24                       |           |
| 30130884   | Adapter, 1 x 0.2/0.4 ml D6mm, 6/pk          |           |                    | 0.2/0.4 ml  | 6 mm                 | Micro tube       | 24                       |           |

|   |                                       |          |                    |  |                      |                        |                          |         |
|---|---------------------------------------|----------|--------------------|--|----------------------|------------------------|--------------------------|---------|
|  | <b>Order No.</b>                      | 30314820 | <b>Description</b> | <b>Rotor, Swing out, 4 x 250ml, ID</b> |                      |                        |                          |         |
|   | <b>Compatible to</b>                  | FC5714   | FC5718             | FC5718R                                | FC5816               | FC5816R                | FC5916                   | FC5916R |
|   | <b>max. speed</b>                     | —        | —                  | —                                      | 4500 rpm             | 4500 rpm               | —                        | —       |
|   | <b>max. RCF</b>                       | —        | —                  | —                                      | 3780 x g             | 3780 x g               | —                        | —       |
| <b>Accessories</b>  |                                       |          |                    |  |                      |                        |                          |         |
| <b>Order No.</b>  | <b>Description</b>                    |          |                    | <b>Vol./Tube</b>                       | <b>Tube Diameter</b> | <b>Tube type</b>       | <b>No.of tubes/rotor</b> |         |
| 30314901  | Screw Cap, Rack of 250 ml Rotor, 2/pk |          |                    | —                                      | —                    | —                      | —                        |         |
| 30314902  | O-ring, Rack of 250 ml Rotor, 10/pk   |          |                    | —                                      | —                    | —                      | —                        |         |
| 30314903  | Rack, 1 x 250 ml D62 mm FB, 2/pk      |          |                    | 250 ml                                 | 62 mm                | Flat bottom            | 4                        |         |
| 30314904  | Rack, 1 x 100 ml D41 mm RB, 2/pk      |          |                    | 100 ml                                 | 41 mm                | Round bottom           | 4                        |         |
| 30314907  | Rack, 1 x 50 ml D34 mm RB, 2/pk, v3   |          |                    | 50 ml                                  | 34 mm                | Round bottom           | 4                        |         |
| 30314905  | Rack, 3 x 50 ml D29 mm RB, 2/pk       |          |                    | 50 ml                                  | 29 mm                | Round bottom           | 12                       |         |
| 30314906  | Rack, 3 x 50 ml D29 mm FA, 2/pk       |          |                    | 50 ml                                  | 29 mm                | Conical bottom         | 12                       |         |
| 30314908  | Rack, 2 x 50 ml D29 mm Rim, 2/pk      |          |                    | 50 ml                                  | 29 mm                | Skirted conical bottom | 8                        |         |
| 30314909  | Rack, 1 x 50 ml D29 mm Rim, 2/pk, v3  |          |                    | 50 ml                                  | 29 mm                | Skirted conical bottom | 4                        |         |
| 30314910  | Rack, 5 x 25 ml D24.5 mm RB, 2/pk     |          |                    | 25 ml                                  | 24.5 mm              | Round bottom           | 20                       |         |
| 30314911  | Rack, 3 x 25 ml D24.5 mm Rim, 2/pk    |          |                    | 25 ml                                  | 24.5 mm              | Skirted conical bottom | 12                       |         |
| 30314912  | Rack, 9 x 15 ml D17 mm RB, 2/pk       |          |                    | 15 ml                                  | 17 mm                | Round bottom           | 36                       |         |
| 30314913  | Rack, 7 x 15 ml D17 mm FA, 2/pk       |          |                    | 15 ml                                  | 17 mm                | Conical bottom         | 28                       |         |
| 30314914  | Rack, 7 x 15 ml D17 mm Rim, 2/pk      |          |                    | 15 ml                                  | 17 mm                | Skirted conical bottom | 28                       |         |
| 30314915  | Rack, 8 x 10 ml D16 mm RB, 2/pk       |          |                    | 10 ml                                  | 16 mm                | Round bottom           | 32                       |         |
| 30304367  | Rack, 8 x 4-10 ml D16 mm Vac, 2/pk    |          |                    | 4-10 ml                                | 16 mm                | Vacutainer             | 32                       |         |
| 30314916  | Rack, 14 x 5-7 ml D13 mm RB, 2/pk     |          |                    | 5-7 ml                                 | 13 mm                | Round bottom           | 56                       |         |
| 30314917  | Rack, 10 x 1.6-7 ml D13 mm Vac, 2/pk  |          |                    | 1.6-7 ml                               | 13 mm                | Vacutainer             | 40                       |         |
| 30304368*   | Adapter, 9 x 1.5/2.0 ml D11 mm, 2/pk  |          |                    | 1.5/2.0 ml                             | 11 mm                | Micro tube             | 36                       |         |


\*only possible with rack 30314903

# FRONTIER 5000 SERIES *Multi-Pro Accessories*

|   |   |                 |                    |  |                      |                  |                          |                |
|---|---|-----------------|--------------------|--|----------------------|------------------|--------------------------|----------------|
|  | <b>Order No.</b>                          | <b>30314821</b> | <b>Description</b> | <b>Rotor, Angle, 6 × 250 ml FB, ID</b> |                      |                  |                          |                |
|   | <b>Compatible to</b>                      | <b>FC5714</b>   | <b>FC5718</b>      | <b>FC5718R</b>                         | <b>FC5816</b>        | <b>FC5816R</b>   | <b>FC5916</b>            | <b>FC5916R</b> |
|   | <b>max. speed</b>                         | —               | —                  | —                                      | 8000 rpm             | 8000 rpm         | 8000 rpm                 | 8000 rpm       |
|   | <b>max. RCF</b>                           | —               | —                  | —                                      | 10016 × g            | 10016 × g        | 10016 × g                | 10016 × g      |
| <b>Accessories</b>  |   |                 |                    |  |                      |                  |                          |                |
| <b>Order No.</b>  | <b>Description</b>                        |                 |                    | <b>Vol./Tube</b>                       | <b>Tube Diameter</b> | <b>Tube type</b> | <b>No.of tubes/rotor</b> |                |
| Without Adapter   | Rotor, Angle, 6 × 250 ml FB, ID           |                 |                    | 250 ml                                 | 62 mm                | Flat bottom      | 6                        |                |
| 30304374  | Adapter, 1 × 50 ml D30 mm FA, 2/pk        |                 |                    | 50 ml                                  | 30 mm                | Conical bottom   | 6                        |                |
| 30304373  | Adapter, 1 × 50 ml D29 mm RB, 2/pk        |                 |                    | 50 ml                                  | 29 mm                | Round bottom     | 6                        |                |
| 30304372  | Adapter, 2 × 30 ml D26 mm RB, 2/pk        |                 |                    | 30 ml                                  | 26 mm                | Round bottom     | 12                       |                |
| 30304371  | Adapter, 4 × 15 ml D17 mm FA, 2/pk        |                 |                    | 15 ml                                  | 17 mm                | Conical bottom   | 24                       |                |
| 30304370  | Adapter, 5 × 10 ml D16 mm RB, 2/pk        |                 |                    | 10 ml                                  | 16 mm                | Round bottom     | 30                       |                |
| 30304369  | Adapter, 8 × 1.5 ml D11 mm, 2/pk          |                 |                    | 1.5 ml                                 | 11 mm                | Micro tube       | 48                       |                |
| 30559412  | Adapter, 15 × 1.5/2.0ml, D11mm, MTB, 2/pk |                 |                    | 1.5/2.0 ml                             | 11 mm                | Micro tube       | 90                       |                |
| 30559413  | Adapter, 1 × 250ml, D60mm, FA, 3/pk       |                 |                    | 250 ml                                 | 60 mm                | Conical bottom   | 6                        |                |
| 30559414  | Adapter, 1 × 175/225ml, D61mm, FA, 2/pk   |                 |                    | 175-225 ml                             | 61mm                 | Conical bottom   | 6                        |                |

|  |                                    |                 |                    |   |                      |                        |                          |                |
|--|------------------------------------|-----------------|--------------------|---|----------------------|------------------------|--------------------------|----------------|
|  | <b>Order No.</b>                   | <b>30314822</b> | <b>Description</b> | <b>Rotor, Swing out, 4 × 100 ml, ID</b> |                      |                        |                          |                |
|  | <b>Compatible to</b>               | <b>FC5714</b>   | <b>FC5718</b>      | <b>FC5718R</b>                          | <b>FC5816</b>        | <b>FC5816R</b>         | <b>FC5916</b>            | <b>FC5916R</b> |
|  | <b>max. speed</b>                  | 4500 rpm        | 4500 rpm           | 4500 rpm                                | —                    | —                      | —                        | —              |
|  | <b>max. RCF</b>                    | 3350 × g        | 3350 × g           | 3350 × g                                | —                    | —                      | —                        | —              |
| <b>Accessories</b>   |                                    |                 |                    |   |                      |                        |                          |                |
| <b>Order No.</b>   | <b>Description</b>                 |                 |                    | <b>Vol./Tube</b>                        | <b>Tube Diameter</b> | <b>Tube type</b>       | <b>No.of tubes/rotor</b> |                |
| 30314842   | Rack, 1 × 100 ml D46 mm RB, 2/pk   |                 |                    | 100 ml                                  | 46 mm                | Round bottom           | 4                        |                |
| 30314843   | Rack, 1 × 85 ml D38 mm RB, 2/pk    |                 |                    | 85 ml                                   | 38 mm                | Round bottom           | 4                        |                |
| 30314844   | Rack, 1 × 50 ml D34 mm RB, 2/pk    |                 |                    | 50 ml                                   | 34 mm                | Round bottom           | 4                        |                |
| 30314845   | Rack, 1 × 50 ml D29 mm RB, 2/pk    |                 |                    | 50 ml                                   | 29 mm                | Round bottom           | 4                        |                |
| 30314846   | Rack, 1 × 50 ml D29 mm FA, 2/pk    |                 |                    | 50 ml                                   | 29 mm                | Conical bottom         | 4                        |                |
| 30314847   | Rack, 1 × 50 ml D29 mm Rim, 2/pk   |                 |                    | 50 ml                                   | 29 mm                | Skirted conical bottom | 4                        |                |
| 30314848   | Rack, 1 × 30 ml D25 mm Rim, 2/pk   |                 |                    | 30 ml                                   | 25 mm                | Skirted conical bottom | 4                        |                |
| 30314849   | Rack, 1 × 25 ml D25 mm RB, 2/pk    |                 |                    | 25 ml                                   | 25 mm                | Round bottom           | 4                        |                |
| 30314852   | Rack, 7 × 15 ml D17 mm RB, 2/pk    |                 |                    | 15 ml                                   | 17 mm                | Round bottom           | 28                       |                |
| 30314850   | Rack, 2 × 15 ml D17 mm FA, 2/pk    |                 |                    | 15 ml                                   | 17 mm                | Conical bottom         | 8                        |                |
| 30314851   | Rack, 1 × 15 ml D17 mm Rim, 2/pk   |                 |                    | 15 ml                                   | 17 mm                | Skirted conical bottom | 4                        |                |
| 30314858   | Rack, 5 × 4-10 ml D16 mm Sar, 2/pk |                 |                    | 4-10 ml                                 | 16 mm                | Sarstedt               | 20                       |                |
| 30314853   | Rack, 9 × 5-7 ml D13 mm RB, 2/pk   |                 |                    | 5-7 ml                                  | 13 mm                | Round bottom           | 36                       |                |
| 30314856   | Rack, 7 × 5-7 ml D13 mm RB, 2/pk   |                 |                    | 5-7 ml                                  | 13 mm                | Round bottom           | 28                       |                |
| 30314857   | Rack, 7 × 5-7 ml D13 mm Vac, 2/pk  |                 |                    | 5-7 ml                                  | 13 mm                | Vacutainer             | 28                       |                |
| 30314854   | Rack, 10 × 1.5 ml D11 mm, 2/pk     |                 |                    | 1.5 ml                                  | 11 mm                | Micro tube             | 40                       |                |
| 30314855   | Rack, 9 × 4.5 ml D12 mm FB, 2/pk   |                 |                    | 4.5 ml                                  | 12 mm                | Flat bottom            | 36                       |                |

# FRONTIER 5000 SERIES *Multi-Pro Accessories*


|   |  |          |             |   |                      |                        |                          |         |
|---|--|----------|-------------|---|----------------------|------------------------|--------------------------|---------|
|  | Order No.                                  | 30314823 | Description | Rotor, Swing out, 4x100ml, ID, Sealable |                      |                        |                          |         |
|   | Compatible to                              | FC5714   | FC5718      | FC5718R                                 | FC5816               | FC5816R                | FC5916                   | FC5916R |
|   | max. speed                                 | 4000 rpm | 5000 rpm    | 5000 rpm                                | —                    | —                      | —                        | —       |
|   | max. RCF                                   | 2486 × g | 3885 × g    | 3885 × g                                | —                    | —                      | —                        | —       |
| <b>Accessories ▲</b>  |  |          |             |   |                      |                        |                          |         |
| <b>Order No.</b>  | <b>Description</b>                         |          |             | <b>Vol./Tube</b>                        | <b>Tube Diameter</b> | <b>Tube type</b>       | <b>No.of tubes/rotor</b> |         |
| 30314860  | Bucket, 100 ml w/o Cap, 2/pk               |          |             | —                                       | —                    | —                      | —                        |         |
| 30314861  | Bucket, 100 ml w/ Cap, Sealable, 2/pk      |          |             | —                                       | —                    | —                      | —                        |         |
| 30314862  | Screw Cap, 100 ml Bucket, Sealable, 2/pk   |          |             | —                                       | —                    | —                      | —                        |         |
| 30314863  | O-ring, 100 ml Bucket, Sealable, 10/pk     |          |             | —                                       | —                    | —                      | —                        |         |
| 30314864  | Rack, 1 × 100 ml D40 mm RB, 2/pk           |          |             | 100 ml                                  | 40 mm                | Round bottom           | 4                        |         |
| 30314865  | Rack, 1 × 85 ml D38 mm RB, 2/pk, v2        |          |             | 85 ml                                   | 38 mm                | Round bottom           | 4                        |         |
| 30314866  | Rack, 1 × 50 ml D34 mm RB, 2/pk, v2        |          |             | 50 ml                                   | 34 mm                | Round bottom           | 4                        |         |
| 30314867  | Rack, 1 × 50 ml D29 mm RB, 2/pk, v2        |          |             | 50 ml                                   | 29 mm                | Round bottom           | 4                        |         |
| 30314868  | Rack, 1 × 50 ml D29 mm FA, 2/pk, v2        |          |             | 50 ml                                   | 29 mm                | Conical bottom         | 4                        |         |
| 30314881  | Bucket, 2 × 50 ml D29 mm FA, w/ Rack, 2/pk |          |             | 50 ml                                   | 29 mm                | Conical bottom         | 8                        |         |
| 30314869  | Rack, 1 × 50 ml D29 mm Rim, 2/pk, v2       |          |             | 50 ml                                   | 29 mm                | Skirted conical bottom | 4                        |         |
| 30314870  | Rack, 1 × 30 ml D25 mm Rim, 2/pk, v2       |          |             | 30 ml                                   | 25 mm                | Skirted conical bottom | 4                        |         |
| 30314871  | Rack, 1 × 25 ml D25 mm RB, 2/pk, v2        |          |             | 25 ml                                   | 25 mm                | Round bottom           | 4                        |         |
| 30314872  | Rack, 1 × 15 ml D17 mm FA, 2/pk            |          |             | 15 ml                                   | 17 mm                | Conical bottom         | 4                        |         |
| 30314873*   | Rack, 2 × 15 ml D17 mm FA, 2/pk, v2        |          |             | 15 ml                                   | 17 mm                | Conical bottom         | 8                        |         |
| 30314874*   | Rack, 2 × 15 ml D17 mm Rim, 2/pk           |          |             | 15 ml                                   | 17 mm                | Skirted conical bottom | 8                        |         |
| 30314875  | Rack, 4 × 15 ml D17 mm RB, 2/pk            |          |             | 15 ml                                   | 17 mm                | Round bottom           | 16                       |         |
| 30314882  | Bucket, 3 × 15 ml D17 mm FA, w/ Rack, 2/pk |          |             | 15 ml                                   | 17 mm                | Conical bottom         | 12                       |         |
| 30314878  | Rack, 3 × 10 ml D17 mm Sar, 2/pk           |          |             | 10 ml                                   | 17 mm                | Sarstedt               | 12                       |         |
| 30314880  | Rack, 4 × 10 ml D17 mm Vac, 2/pk           |          |             | 10 ml                                   | 17 mm                | Vacutainer             | 16                       |         |
| 30314876  | Rack, 7 × 5-7 ml D13 mm RB, 2/pk, v2       |          |             | 5-7 ml                                  | 13 mm                | Round bottom           | 28                       |         |
| 30314879  | Rack, 4 × 5-7 ml D13 mm RB, 2/pk           |          |             | 5-7 ml                                  | 13 mm                | Round bottom           | 16                       |         |
| 30314877  | Rack, 5 × 1.5 ml D11 mm, 2/pk              |          |             | 1.5 ml                                  | 11 mm                | Micro tube             | 20                       |         |


▲ All racks are used with buckets only


\*only without bucket lid




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|   |                                      |          |                    |                                       |                      |                  |                          |          |
|---|--------------------------------------|----------|--------------------|---------------------------------------|----------------------|------------------|--------------------------|----------|
|  | <b>Order No.</b>                     | 30314824 | <b>Description</b> | <b>Rotor, Swing out, 2 x 3MTP, ID</b> |                      |                  |                          |          |
|   | <b>Compatible to</b>                 | FC5714   | FC5718             | FC5718R                               | FC5816               | FC5816R          | FC5916                   | FC5916R  |
|   | <b>max. speed</b>                    | 4500 rpm | 4500 rpm           | 4500 rpm                              | 4500 rpm             | 4500 rpm         | 4500 rpm                 | 4500 rpm |
|   | <b>max. RCF</b>                      | 2716 x g | 2716 x g           | 2716 x g                              | 2716 x g             | 2716 x g         | 2716 x g                 | 2716 x g |
| <b>Accessories</b>  |                                      |          |                    |                                       |                      |                  |                          |          |
| <b>Order No.</b>  | <b>Description</b>                   |          |                    | <b>Vol./Tube</b>                      | <b>Tube Diameter</b> | <b>Tube type</b> | <b>No.of tubes/rotor</b> |          |
| Without Adapter   | Rotor, Swing out, 2 x 3MTP, ID       |          |                    | MTP                                   | —                    | —                | 6                        |          |
| 30314890  | Bucket, 3 x MTP, 2/pk                |          |                    | MTP                                   | —                    | —                | 6                        |          |
| 30314891  | Adapter, 48 x 1.5/2.0 ml D11mm, 2/pk |          |                    | 1.5/2.0 ml                            | 11mm                 | Micro tube       | 96                       |          |


|   |  |          |                    |   |                      |                  |                          |         |
|---|--|----------|--------------------|---|----------------------|------------------|--------------------------|---------|
|  | <b>Order No.</b>                       | 30314825 | <b>Description</b> | <b>Rotor, Angle, 6 x 85 ml RB, ID, Hi</b> |                      |                  |                          |         |
|   | <b>Compatible to</b>                   | FC5714   | FC5718             | FC5718R                                   | FC5816               | FC5816R          | FC5916                   | FC5916R |
|   | <b>max. speed</b>                      | —        | 11000 rpm          | 13500 rpm                                 | —                    | —                | —                        | —       |
|   | <b>max. RCF</b>                        | —        | 13932 x g          | 20984 x g                                 | —                    | —                | —                        | —       |
| <b>Accessories</b>  |  |          |                    |   |                      |                  |                          |         |
| <b>Order No.</b>  | <b>Description</b>                     |          |                    | <b>Vol./Tube</b>                          | <b>Tube Diameter</b> | <b>Tube type</b> | <b>No.of tubes/rotor</b> |         |
| Without Adapter   | Rotor, Angle, 6 x 85 ml RB, ID, Hi     |          |                    | 85 ml                                     | 38 mm                | Round bottom     | 6                        |         |
| 30314895  | Adapter, 1 x 50 ml D29 mm RB, 2/pk, v2 |          |                    | 50 ml                                     | 29 mm                | Round bottom     | 6                        |         |
| 30314896  | Adapter, 1 x 50 ml D29 mm FA, 2/pk     |          |                    | 50 ml                                     | 29 mm                | Conical bottom   | 6                        |         |
| 30314894  | Adapter, 1 x 30 ml D25 mm RB, 2/pk     |          |                    | 30 ml                                     | 25 mm                | Round bottom     | 6                        |         |
| 30314899  | Adapter, 1 x 16 ml D18 mm RB, 2/pk     |          |                    | 16 ml                                     | 18 mm                | Round bottom     | 6                        |         |
| 30314897  | Adapter, 1 x 15 ml D17 mm FA, 2/pk     |          |                    | 15 ml                                     | 17 mm                | Conical bottom   | 6                        |         |
| 30314898  | Adapter, 2 x 15 ml D17 mm RB, 2/pk     |          |                    | 15 ml                                     | 17 mm                | Round bottom     | 12                       |         |
| 30314893  | Adapter, 1 x 15 ml D17 mm RB, 2/pk     |          |                    | 15 ml                                     | 17 mm                | Round bottom     | 6                        |         |

|  |  |          |                    |                                       |                      |                  |                          |           |
|--|--|----------|--------------------|---------------------------------------|----------------------|------------------|--------------------------|-----------|
|  | <b>Order No.</b>                       | 30314826 | <b>Description</b> | <b>Rotor, Angle, 6 x 85 ml RB, ID</b> |                      |                  |                          |           |
|  | <b>Compatible to</b>                   | FC5714   | FC5718             | FC5718R                               | FC5816               | FC5816R          | FC5916                   | FC5916R   |
|  | <b>max. speed</b>                      | —        | 9000 rpm           | 9000 rpm                              | 11000 rpm            | 13000 rpm        | 11000 rpm                | 13000 rpm |
|  | <b>max. RCF</b>                        | —        | 10413 x g          | 10413 x g                             | 15555 x g            | 21726 x g        | 15555 x g                | 21726 x g |
| <b>Accessories</b>   |  |          |                    |                                       |                      |                  |                          |           |
| <b>Order No.</b>   | <b>Description</b>                     |          |                    | <b>Vol./Tube</b>                      | <b>Tube Diameter</b> | <b>Tube type</b> | <b>No.of tubes/rotor</b> |           |
| Without Adapter  | Rotor, Angle, 6 x 85 ml RB, ID         |          |                    | 85 ml                                 | 38 mm                | Round bottom     | 6                        |           |
| 30314895   | Adapter, 1 x 50 ml D29 mm RB, 2/pk, v2 |          |                    | 50 ml                                 | 29 mm                | Round bottom     | 6                        |           |
| 30314896   | Adapter, 1 x 50 ml D29 mm FA, 2/pk     |          |                    | 50 ml                                 | 29 mm                | Conical bottom   | 6                        |           |
| 30314894   | Adapter, 1 x 30 ml D25 mm RB, 2/pk     |          |                    | 30 ml                                 | 25 mm                | Round bottom     | 6                        |           |
| 30314899   | Adapter, 1 x 16 ml D18 mm RB, 2/pk     |          |                    | 16 ml                                 | 18 mm                | Round bottom     | 6                        |           |
| 30314897   | Adapter, 1 x 15 ml D17 mm FA, 2/pk     |          |                    | 15 ml                                 | 17 mm                | Conical bottom   | 6                        |           |
| 30314898   | Adapter, 2 x 15 ml D17 mm RB, 2/pk     |          |                    | 15 ml                                 | 17 mm                | Round bottom     | 12                       |           |
| 30314893   | Adapter, 1 x 15 ml D17 mm RB, 2/pk     |          |                    | 15 ml                                 | 17 mm                | Round bottom     | 6                        |           |

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|  |  |          |             |                                    |               |                |                    |           |
|--|--|----------|-------------|------------------------------------|---------------|----------------|--------------------|-----------|
|  | Order No.                              | 30314827 | Description | Rotor, Angle, 4 × 85 ml RB, ID, Hi |               |                |                    |           |
|  | Compatible to                          | FC5714   | FC5718      | FC5718R                            | FC5816        | FC5816R        | FC5916             | FC5916R   |
|  | max. speed                             | —        | 12000 rpm   | 12000 rpm                          | 12000 rpm     | 12000 rpm      | 15000 rpm          | 16000 rpm |
|  | max. RCF                               | —        | 14809 × g   | 14809 × g                          | 14809 × g     | 14809 × g      | 23140 × g          | 26328 × g |
| <b>Accessories</b>   |  |          |             |                                    |               |                |                    |           |
| Order No.  | Description                            |          |             | Vol./Tube                          | Tube Diameter | Tube type      | No. of tubes/rotor |           |
| Without Adapter  | Rotor, Angle, 4 × 85 ml RB, ID, Hi     |          |             | 85 ml                              | 38 mm         | Round bottom   | 4                  |           |
| 30314895   | Adapter, 1 × 50 ml D29 mm RB, 2/pk, v2 |          |             | 50 ml                              | 29 mm         | Round bottom   | 4                  |           |
| 30314896*  | Adapter, 1 × 50 ml D29 mm FA, 2/pk     |          |             | 50 ml                              | 29 mm         | Conical bottom | 4                  |           |
| 30314894   | Adapter, 1 × 30 ml D25 mm RB, 2/pk     |          |             | 30 ml                              | 25 mm         | Round bottom   | 4                  |           |
| 30314899   | Adapter, 1 × 16 ml D18 mm RB, 2/pk     |          |             | 16 ml                              | 18 mm         | Round bottom   | 4                  |           |
| 30314897*  | Adapter, 1 × 15 ml D17 mm FA, 2/pk     |          |             | 15 ml                              | 17 mm         | Conical bottom | 4                  |           |
| 30314898   | Adapter, 2 × 15 ml D17 mm RB, 2/pk     |          |             | 15 ml                              | 17 mm         | Round bottom   | 8                  |           |
| 30314893   | Adapter, 1 × 15 ml D17 mm RB, 2/pk     |          |             | 15 ml                              | 17 mm         | Round bottom   | 4                  |           |


|   |   |          |             |                                  |               |                     |                    |         |
|---|---|----------|-------------|----------------------------------|---------------|---------------------|--------------------|---------|
|  | Order No.                               | 30314828 | Description | Rotor, Swing out, 16 × 50 ml, ID |               |                     |                    |         |
|   | Compatible to                           | FC5714   | FC5718      | FC5718R                          | FC5816        | FC5816R             | FC5916             | FC5916R |
|   | max. speed                              | —        | —           | —                                | 4500 rpm      | 4500 rpm            | —                  | —       |
|   | max. RCF                                | —        | —           | —                                | 3735 × g      | 3735 × g            | —                  | —       |
| <b>Accessories</b>  |   |          |             |                                  |               |                     |                    |         |
| Order No.   | Description                             |          |             | Vol./Tube                        | Tube Diameter | Tube type           | No. of tubes/rotor |         |
| 30304375  | Rack, 4 × 50 ml D29 mm FA, 2/pk         |          |             | 50 ml                            | 29 mm         | Conical bottom      | 16                 |         |
| 30314583  | Rack, 10 × 15 ml D17 mm FA, 2/pk        |          |             | 15 ml                            | 17 mm         | Conical bottom      | 40                 |         |
| 30314585  | Rack, 12 × 4-10 ml D16 mm Vac/Sar, 2/pk |          |             | 4-10 ml                          | 16 mm         | Vacutainer/Sarstedt | 48                 |         |
| 30314584  | Rack, 14 × 5-7 ml D13 mm Vac/Sar, 2/pk  |          |             | 5-7 ml                           | 13 mm         | Vacutainer/Sarstedt | 56                 |         |


|  |  |          |             |                                 |               |                |                    |           |
|--|--|----------|-------------|---------------------------------|---------------|----------------|--------------------|-----------|
|  | Order No.                              | 30314829 | Description | Rotor, Angle, 10 × 50 ml FA, ID |               |                |                    |           |
|  | Compatible to                          | FC5714   | FC5718      | FC5718R                         | FC5816        | FC5816R        | FC5916             | FC5916R   |
|  | max. speed                             | —        | 7500 rpm    | 7500 rpm                        | 9000 rpm      | 10500 rpm      | 10000 rpm          | 10500 rpm |
|  | max. RCF                               | —        | 8174 × g    | 8174 × g                        | 11771 × g     | 16022 × g      | 14532 × g          | 16022 × g |
| <b>Accessories</b>   |  |          |             |                                 |               |                |                    |           |
| Order No.  | Description                            |          |             | Vol./Tube                       | Tube Diameter | Tube type      | No. of tubes/rotor |           |
| Without Adapter  | Rotor, Angle, 10 × 50 ml FA, ID        |          |             | 50 ml                           | 29 mm         | Conical bottom | 10                 |           |
| 30472300   | Adapter, 1 × 15 ml D17 mm RB, 2/pk, v2 |          |             | 15 ml                           | 17 mm         | Round bottom   | 10                 |           |
| 30472307   | Adapter, 1 × 15 ml D17 mm FA, 2/pk, v2 |          |             | 15 ml                           | 17 mm         | Conical bottom | 10                 |           |
| 30130889 ▲   | Adapter, 1 × 7 ml D13.5 mm RB, 2/pk    |          |             | 7 ml                            | 13.5 mm       | Round bottom   | 10                 |           |
| 30130890 ▲   | Adapter, 1 × 5 ml D13.5 mm, 2/pk       |          |             | 5 ml                            | 13.5 mm       | Round bottom   | 10                 |           |
| 30130886 ▲   | Adapter, 1 × 1.5/2.0 ml D11 mm, 6/pk   |          |             | 1.5/2.0 ml                      | 11 mm         | Micro tube     | 10                 |           |


\*Only without rotor lid

▲Only possible with adapter 30472300 or 30472307

# FRONTIER 5000 SERIES *Multi-Pro Accessories*


|   |  |          |                    |  |                      |                      |                          |         |
|---|--|----------|--------------------|--|----------------------|----------------------|--------------------------|---------|
|  | <b>Order No.</b>                       | 30314830 | <b>Description</b> | <b>Rotor, Angle, 6 × 50 ml RB/FA, ID</b> |                      |                      |                          |         |
|   | <b>Compatible to</b>                   | FC5714   | FC5718             | FC5718R                                  | FC5816               | FC5816R              | FC5916                   | FC5916R |
|   | <b>max. speed</b>                      | 6000 rpm | 6000 rpm           | 6000 rpm                                 | —                    | —                    | —                        | —       |
|   | <b>max. RCF</b>                        | 4427 × g | 4427 × g           | 4427 × g                                 | —                    | —                    | —                        | —       |
| <b>Accessories</b>  |  |          |                    |  |                      |                      |                          |         |
| <b>Order No.</b>  | <b>Description</b>                     |          |                    | <b>Vol./Tube</b>                         | <b>Tube Diameter</b> | <b>Tube type</b>     | <b>No.of tubes/rotor</b> |         |
| Without Adapter   | Rotor, Angle, 6 × 50 ml RB/FA, ID      |          |                    | 50 ml                                    | 29 mm                | Round/Conical bottom | 6                        |         |
| 30130891  | Adapter, 1 × 30 ml D26 mm, 2/pk        |          |                    | 30 ml                                    | 26 mm                | Round bottom         | 6                        |         |
| 30130892  | Adapter, 1 × 16 ml D18 mm, 2/pk        |          |                    | 16 ml                                    | 18 mm                | Round bottom         | 6                        |         |
| 30130893  | Adapter, 1 × 15 ml D17 mm, 2/pk        |          |                    | 15 ml                                    | 17 mm                | Round bottom         | 6                        |         |
| 30130894  | Adapter, 1 × 15 ml D17 mm RB, 2/pk, v2 |          |                    | 15 ml                                    | 17 mm                | Round/Conical bottom | 6                        |         |
| 30130889  | Adapter, 1 × 7 ml D13.5 mm RB, 2/pk    |          |                    | 7 ml                                     | 13.5 mm              | Round bottom         | 6                        |         |
| 30130890  | Adapter, 1 × 5 ml D13.5 mm, 2/pk       |          |                    | 5 ml                                     | 13.5 mm              | Round bottom         | 6                        |         |
| 30130886  | Adapter, 1 × 1.5/2.0 ml D11 mm, 6/pk   |          |                    | 1.5/2.0 ml                               | 11 mm                | Micro tube           | 6                        |         |


|   |                                      |          |                    |   |                      |                  |                          |           |
|---|--------------------------------------|----------|--------------------|---|----------------------|------------------|--------------------------|-----------|
|  | <b>Order No.</b>                     | 30314831 | <b>Description</b> | <b>Rotor, Angle, 6 × 50 ml RB, ID, Hi</b> |                      |                  |                          |           |
|   | <b>Compatible to</b>                 | FC5714   | FC5718             | FC5718R                                   | FC5816               | FC5816R          | FC5916                   | FC5916R   |
|   | <b>max. speed</b>                    | —        | 12000 rpm          | 12000 rpm                                 | 13000 rpm            | 13000 rpm        | 13000 rpm                | 13000 rpm |
|   | <b>max. RCF</b>                      | —        | 13522 × g          | 13522 × g                                 | 15869 × g            | 15869 × g        | 15869 × g                | 15869 × g |
| <b>Accessories</b>  |                                      |          |                    |   |                      |                  |                          |           |
| <b>Order No.</b>  | <b>Description</b>                   |          |                    | <b>Vol./Tube</b>                          | <b>Tube Diameter</b> | <b>Tube type</b> | <b>No.of tubes/rotor</b> |           |
| Without Adapter   | Rotor, Angle, 6 × 50 ml RB, ID, Hi   |          |                    | 50 ml                                     | 29 mm                | Round bottom     | 6                        |           |
| 30130891  | Adapter, 1 × 30 ml D26 mm, 2/pk      |          |                    | 30 ml                                     | 26 mm                | Round bottom     | 6                        |           |
| 30130892  | Adapter, 1 × 16 ml D18 mm, 2/pk      |          |                    | 16 ml                                     | 18 mm                | Round bottom     | 6                        |           |
| 30314892*   | Adapter, 1 × 15 ml D17.5 mm FA, 2/pk |          |                    | 15 ml                                     | 17.5 mm              | Conical bottom   | 6                        |           |
| 30130893  | Adapter, 1 × 15 ml D17 mm, 2/pk      |          |                    | 15 ml                                     | 17 mm                | Round bottom     | 6                        |           |


|   |                                      |          |                    |   |                      |                      |                          |         |
|---|--------------------------------------|----------|--------------------|---|----------------------|----------------------|--------------------------|---------|
|  | <b>Order No.</b>                     | 30314832 | <b>Description</b> | <b>Rotor, Angle, 30 × 15 ml RB/FA, ID</b> |                      |                      |                          |         |
|   | <b>Compatible to</b>                 | FC5714   | FC5718             | FC5718R                                   | FC5816               | FC5816R              | FC5916                   | FC5916R |
|   | <b>max. speed</b>                    | 4500 rpm | 4500 rpm           | 4500 rpm                                  | 4500 rpm             | 4500 rpm             | —                        | —       |
|   | <b>max. RCF</b>                      | 2830 × g | 2830 × g           | 2830 × g                                  | 2830 × g             | 2830 × g             | —                        | —       |
| <b>Accessories</b>  |                                      |          |                    |   |                      |                      |                          |         |
| <b>Order No.</b>  | <b>Description</b>                   |          |                    | <b>Vol./Tube</b>                          | <b>Tube Diameter</b> | <b>Tube type</b>     | <b>No.of tubes/rotor</b> |         |
| Without Adapter   | Rotor, Angle, 30 × 15 ml RB/FA, ID   |          |                    | 15 ml                                     | 17 mm                | Round/Conical bottom | 30                       |         |
| 30130889  | Adapter, 1 × 7 ml D13.5 mm RB, 2/pk  |          |                    | 7 ml                                      | 13.5 mm              | Round bottom         | 30                       |         |
| 30130890  | Adapter, 1 × 5 ml D13.5 mm, 2/pk     |          |                    | 5 ml                                      | 13.5 mm              | Round bottom         | 30                       |         |
| 30130886  | Adapter, 1 × 1.5/2.0 ml D11 mm, 6/pk |          |                    | 1.5/2.0 ml                                | 11 mm                | Micro tube           | 30                       |         |


\*only without bucket lid

# FRONTIER 5000 SERIES *Multi-Pro Accessories*


|  |                                    |          |             |                                    |               |              |                    |           |
|--|------------------------------------|----------|-------------|------------------------------------|---------------|--------------|--------------------|-----------|
|  | Order No.                          | 30314833 | Description | Rotor, Angle, 20 × 10ml RB, ID, Hi |               |              |                    |           |
|  | Compatible to                      | FC5714   | FC5718      | FC5718R                            | FC5816        | FC5816R      | FC5916             | FC5916R   |
|  | max. speed                         | —        | 12000 rpm   | 12000 rpm                          | 12000 rpm     | 12000 rpm    | 12000 rpm          | 12000 rpm |
|  | max. RCF                           | —        | 15775 × g   | 15775 × g                          | 15775 × g     | 15775 × g    | 15775 × g          | 15775 × g |
| <b>Accessories</b>   |                                    |          |             |                                    |               |              |                    |           |
| Order No.  | Description                        |          |             | Vol./Tube                          | Tube Diameter | Tube type    | No. of tubes/rotor |           |
| Without Adapter  | Rotor, Angle, 20 × 10ml RB, ID, Hi |          |             | 10 ml                              | 16 mm         | Round bottom | 20                 |           |


|   |                                      |          |             |                                    |               |                      |                    |         |
|---|--------------------------------------|----------|-------------|------------------------------------|---------------|----------------------|--------------------|---------|
|  | Order No.                            | 30314834 | Description | Rotor, Angle, 12 × 15 ml RB/FA, ID |               |                      |                    |         |
|   | Compatible to                        | FC5714   | FC5718      | FC5718R                            | FC5816        | FC5816R              | FC5916             | FC5916R |
|   | max. speed                           | 6000 rpm | 6000 rpm    | 6000 rpm                           | —             | —                    | —                  | —       |
|   | max. RCF                             | 4427 × g | 4427 × g    | 4427 × g                           | —             | —                    | —                  | —       |
| <b>Accessories</b>  |                                      |          |             |                                    |               |                      |                    |         |
| Order No.   | Description                          |          |             | Vol./Tube                          | Tube Diameter | Tube type            | No. of tubes/rotor |         |
| Without Adapter   | Rotor, Angle, 12 × 15 ml RB/FA, ID   |          |             | 15 ml                              | 17 mm         | Round/Conical bottom | 12                 |         |
| 30130889  | Adapter, 1 × 7 ml D13.5 mm RB, 2/pk  |          |             | 7 ml                               | 13.5 mm       | Round bottom         | 12                 |         |
| 30130890  | Adapter, 1 × 5 ml D13.5 mm, 2/pk     |          |             | 5 ml                               | 13.5 mm       | Round bottom         | 12                 |         |
| 30130886  | Adapter, 1 × 1.5/2.0 ml D11 mm, 6/pk |          |             | 1.5/2.0 ml                         | 11 mm         | Micro tube           | 12                 |         |


|   |                                     |          |             |                                   |               |            |                    |           |
|---|-------------------------------------|----------|-------------|-----------------------------------|---------------|------------|--------------------|-----------|
|  | Order No.                           | 30314835 | Description | Rotor, Angle, 44 × 1.5/2.0 ml, ID |               |            |                    |           |
|   | Compatible to                       | FC5714   | FC5718      | FC5718R                           | FC5816        | FC5816R    | FC5916             | FC5916R   |
|   | max. speed                          | —        | 13500 rpm   | 13500 rpm                         | 15000 rpm     | 16000 rpm  | 16000 rpm          | 16000 rpm |
|   | max. RCF                            | —        | 17113 × g   | 17113 × g                         | 21128 × g     | 24039 × g  | 24325 × g          | 24325 × g |
| <b>Accessories</b>  |                                     |          |             |                                   |               |            |                    |           |
| Order No.   | Description                         |          |             | Vol./Tube                         | Tube Diameter | Tube type  | No. of tubes/rotor |           |
| Without Adapter   | Rotor, Angle, 44 × 1.5/2.0 ml, ID   |          |             | 1.5/2.0 ml                        | 11 mm         | Micro tube | 44                 |           |
| 30130885  | Adapter, 1 × 0.5 ml D8 mm, 6/pk     |          |             | 0.5 ml                            | 8 mm          | Micro tube | 44                 |           |
| 30130884  | Adapter, 1 × 0.2/0.4 ml D6 mm, 6/pk |          |             | 0.2/0.4 ml                        | 6 mm          | Micro tube | 44                 |           |


|  |   |           |             |   |               |            |                    |           |
|--|---|-----------|-------------|---|---------------|------------|--------------------|-----------|
|  | Order No.                                   | 30314836  | Description | Rotor, Angle, 30 × 1.5/2.0 ml, ID, Sealable |               |            |                    |           |
|  | Compatible to                               | FC5714    | FC5718      | FC5718R                                     | FC5816        | FC5816R    | FC5916             | FC5916R   |
|  | max. speed                                  | 12000 rpm | 13000 rpm   | 14000 rpm                                   | —             | —          | 15000 rpm          | 15000 rpm |
|  | max. RCF                                    | 15131 × g | 17758 × g   | 20595 × g                                   | —             | —          | 23643 × g          | 23643 × g |
| <b>Accessories</b>   |   |           |             |   |               |            |                    |           |
| Order No.  | Description                                 |           |             | Vol./Tube                                   | Tube Diameter | Tube type  | No. of tubes/rotor |           |
| Without Adapter  | Rotor, Angle, 30 × 1.5/2.0 ml, ID, Sealable |           |             | 1.5/2.0 ml                                  | 11 mm         | Micro tube | 30                 |           |
| 30130885   | Adapter, 1 × 0.5 ml D8 mm, 6/pk             |           |             | 0.5 ml                                      | 8 mm          | Micro tube | 30                 |           |
| 30130884   | Adapter, 1 × 0.2/0.4 ml D6 mm, 6/pk         |           |             | 0.2/0.4 ml                                  | 6 mm          | Micro tube | 30                 |           |

# FRONTIER 5000 SERIES *Multi-Pro Accessories*


|  |                                     |           |                    |  |                      |                  |                          |           |
|--|-------------------------------------|-----------|--------------------|--|----------------------|------------------|--------------------------|-----------|
|  | <b>Order No.</b>                    | 30314838  | <b>Description</b> | <b>Rotor, Angle, 24 × 1.5/2.0 ml, ID</b> |                      |                  |                          |           |
|  | <b>Compatible to</b>                | FC5714    | FC5718             | FC5718R                                  | FC5816               | FC5816R          | FC5916                   | FC5916R   |
|  | <b>max. speed</b>                   | 14000 rpm | 14000 rpm          | 15000 rpm                                | 15000 rpm            | 16000 rpm        | 16000 rpm                | 16000 rpm |
|  | <b>max. RCF</b>                     | 18624 × g | 18624 × g          | 21379 × g                                | 21379 × g            | 24325 × g        | 24325 × g                | 24325 × g |
| <b>Accessories</b>   |                                     |           |                    |  |                      |                  |                          |           |
| <b>Order No.</b>   | <b>Description</b>                  |           |                    | <b>Vol./Tube</b>                         | <b>Tube Diameter</b> | <b>Tube type</b> | <b>No.of tubes/rotor</b> |           |
| Without Adapter  | Rotor, Angle, 24 × 1.5/2.0 ml, ID   |           |                    | 1.5/2.0 ml                               | 11 mm                | Micro tube       | 24                       |           |
| 30130885   | Adapter, 1 × 0.5 ml D8 mm, 6/pk     |           |                    | 0.5 ml                                   | 8 mm                 | Micro tube       | 24                       |           |
| 30130884   | Adapter, 1 × 0.2/0.4 ml D6 mm, 6/pk |           |                    | 0.2/0.4 ml                               | 6 mm                 | Micro tube       | 24                       |           |

|  |   |          |                    |  |                      |                  |                          |         |
|--|---|----------|--------------------|--|----------------------|------------------|--------------------------|---------|
|  | <b>Order No.</b>                            | 30314839 | <b>Description</b> | <b>Rotor, Angle, 12 × 1.5/2.0 ml, ID</b> |                      |                  |                          |         |
|  | <b>Compatible to</b>                        | FC5714   | FC5718             | FC5718R                                  | FC5816               | FC5816R          | FC5916                   | FC5916R |
|  | <b>max. speed</b>                           | —        | 18000 rpm          | 18000 rpm                                | —                    | —                | —                        | —       |
|  | <b>max. RCF</b>                             | —        | 23542 × g          | 23542 × g                                | —                    | —                | —                        | —       |
| <b>Accessories</b>   |   |          |                    |  |                      |                  |                          |         |
| <b>Order No.</b>   | <b>Description</b>                          |          |                    | <b>Vol./Tube</b>                         | <b>Tube Diameter</b> | <b>Tube type</b> | <b>No.of tubes/rotor</b> |         |
| Without Adapter  | Rotor, Angle, 12 × 1.5/2.0 ml, ID           |          |                    | 1.5/2.0 ml                               | 11 mm                | Micro tube       | 12                       |         |
| 30314900   | Adapter, 1 × 1.5 ml for over16000 × g, 6/pk |          |                    | 1.5 ml                                   | 11 mm                | Micro tube       | 12                       |         |
| 30130885   | Adapter, 1 × 0.5 ml D8 mm, 6/pk             |          |                    | 0.5 ml                                   | 8 mm                 | Micro tube       | 12                       |         |
| 30130884   | Adapter, 1 × 0.2/0.4 ml D6 mm, 6/pk         |          |                    | 0.2/0.4 ml                               | 6 mm                 | Micro tube       | 12                       |         |

|  |                               |          |                    |                                      |                      |                  |                          |         |
|--|-------------------------------|----------|--------------------|--------------------------------------|----------------------|------------------|--------------------------|---------|
|  | <b>Order No.</b>              | 30314840 | <b>Description</b> | <b>Rotor, Angle, 64 × 0.5 ml, ID</b> |                      |                  |                          |         |
|  | <b>Compatible to</b>          | FC5714   | FC5718             | FC5718R                              | FC5816               | FC5816R          | FC5916                   | FC5916R |
|  | <b>max. speed</b>             | —        | 13500 rpm          | 13500 rpm                            | —                    | —                | —                        | —       |
|  | <b>max. RCF</b>               | —        | 16298 × g          | 16298 × g                            | —                    | —                | —                        | —       |
| <b>Accessories</b>   |                               |          |                    |                                      |                      |                  |                          |         |
| <b>Order No.</b>   | <b>Description</b>            |          |                    | <b>Vol./Tube</b>                     | <b>Tube Diameter</b> | <b>Tube type</b> | <b>No.of tubes/rotor</b> |         |
| Without Adapter  | Rotor, Angle, 64 × 0.5 ml, ID |          |                    | 0.5 ml                               | 8 mm                 | Micro tube       | 64                       |         |

|  |                                     |          |                    |  |                      |                  |                          |           |
|--|-------------------------------------|----------|--------------------|--|----------------------|------------------|--------------------------|-----------|
|  | <b>Order No.</b>                    | 30314841 | <b>Description</b> | <b>Rotor, Angle, 4 × 8-w PCR Strip, ID</b> |                      |                  |                          |           |
|  | <b>Compatible to</b>                | FC5714   | FC5718             | FC5718R                                    | FC5816               | FC5816R          | FC5916                   | FC5916R   |
|  | <b>max. speed</b>                   | —        | 15000 rpm          | 15000 rpm                                  | —                    | —                | 15000 rpm                | 15000 rpm |
|  | <b>max. RCF</b>                     | —        | 15343 × g          | 15343 × g                                  | —                    | —                | 15343 × g                | 15343 × g |
| <b>Accessories</b>   |                                     |          |                    |  |                      |                  |                          |           |
| <b>Order No.</b>   | <b>Description</b>                  |          |                    | <b>Vol./Tube</b>                           | <b>Tube Diameter</b> | <b>Tube type</b> | <b>No.of tubes/rotor</b> |           |
| Without Adapter  | Rotor, Angle, 4 × 8-w PCR Strip, ID |          |                    | 8-w PCR Strip                              | —                    | —                | 32                       |           |

# FRONTIER 5000 SERIES *Multi-Pro Accessories*


|  |               |          |             |   |        |         |          |          |
|--|---------------|----------|-------------|---|--------|---------|----------|----------|
|  | Order No.     | 30553085 | Description | Rotor, Swing Out, 4 x 750ml, ID, Sealable |        |         |          |          |
|  | Compatible to | FC5714   | FC5718      | FC5718R                                   | FC5816 | FC5816R | FC5916   | FC5916R  |
|  | max. speed    | —        | —           | —   | —      | —       | 4000 rpm | 4500 rpm |
|  | max. RCF      | —        | —           | —   | —      | —       | 3434 x g | 4346 x g |

## Accessories ▲

| Order No. | Description  | Vol./Tube  | Tube Diameter | Tube type           | No.of tubes/rotor |
|-----------|--|------------|---------------|---------------------|-------------------|
| 30553104  | Bucket, MTP, V1, 2/pk                              | MTP        | —             | —                   | 8                 |
| 30553105  | Holder, Removing aid for Bucket 30553104, SS, 2/pk | —          | —             | —                   | —                 |
| 30553117* | Lid Assembly, for bucket, 30553104, PC, 2/pk       | —          | —             | —                   | —                 |
| 30553118  | O-Ring, for bucket 30553104, SIL, 10/pk            | —          | —             | —                   | —                 |
| 30553119  | Bucket, MTP, V2, 2/pk                              | MTP        | —             | —                   | 8                 |
| 30553121  | Bucket, 1 x 750 ml, D99 mm, FB, 2/pk               | 750 ml     | 99 mm         | Flat bottom         | 4                 |
| 30553122* | Lid Assembly, for Bucket 30553121, PC, 2/pk        | —          | —             | —                   | —                 |
| 30553123  | O-Ring, for bucket 30553121, NBR, 10/pk            | —          | —             | —                   | —                 |
| 30553124  | Rack, 1 x 500 ml, D96 mm, FA, 2/pk                 | 500 ml     | 96 mm         | Conical bottom      | 4                 |
| 30553125  | Rack, 1 x 250 ml, D62 mm, FB, 2/pk, V1             | 250 ml     | 62 mm         | Flat bottom         | 4                 |
| 30553126  | Rack, 1 x 175/225 ml, D41 mm, FA, 2/pk             | 175-225 ml | 61 mm         | Conical bottom      | 4                 |
| 30553127  | Rack, 3 x 100 ml, D41 mm, RB, 2/pk                 | 100 ml     | 41 mm         | Round bottom        | 12                |
| 30553128  | Rack, 5 x 50 ml, D29 mm, FA, 2/pk                  | 50 ml      | 29 mm         | Conical bottom      | 20                |
| 30553129  | Rack, 5 x 50 ml, D29 mm, FAw/R, 2/pk               | 50 ml      | 29 mm         | Conical bottom      | 20                |
| 30553130  | Rack, 7 x 50 ml, D29 mm, FA, 2/pk                  | 50 ml      | 29 mm         | Conical bottom      | 28                |
| 30553131  | Rack, 7 x 50 ml, D29 mm, RB, 2/pk                  | 50 ml      | 29 mm         | Round bottom        | 28                |
| 30553132  | Rack, 8 x 30 ml, D26 mm, RB, 2/pk                  | 30 ml      | 26 mm         | Round bottom        | 32                |
| 30553133  | Rack, 14 x 15 ml, D17 mm, FA, 2/pk                 | 15 ml      | 17 mm         | Conical bottom      | 56                |
| 30553134  | Rack, 17 x 15 ml, D17 mm, FA, 2/pk                 | 15 ml      | 17 mm         | Conical bottom      | 68                |
| 30553135  | Rack, 21 x 10 ml, D16 mm, RB, 2/pk                 | 15 ml      | 17 mm         | Round bottom        | 72                |
| 30553136  | Rack, 21 x 10 ml, D16 mm, RB, 2/pk                 | 10 ml      | 16 mm         | Round bottom        | 84                |
| 30553138  | Rack, 32 x 7 ml, D13 mm, RB, 2/pk                  | 7 ml       | 13 mm         | Round bottom        | 128               |
| 30553139  | Rack, 27 x 1.8/7 ml, D13 mm, Vac/Sar, 2/pk         | 1.8-7 ml   | 13 mm         | Vacutainer/Sarstedt | 108               |
| 30553140  | Rack, 18 x 4/10 ml D16 mm Vac/Sar x2               | 5-10 ml    | 16 mm         | Vacutainer/Sarstedt | 72                |
| 30559377  | Rack, 38 x 1.1/1.4 ml, D8 mm, Sar, 2/pk            | 1.1-1.4 ml | 8 mm          | Sarstedt            | 152               |

▲ All racks are used with bucket 30553121 only, rack for rectangular buckets on request

\* BIOSEALS certified: When using the Lid Assembly(with 1 EA O-ring ) on the rotor, the buckets are hermetically sealed. O-ring should be changed when it's worn

|   |               |          |             |                              |        |         |           |           |
|---|---------------|----------|-------------|------------------------------|--------|---------|-----------|-----------|
|  | Order No.     | 30553086 | Description | Rotor, Angle, 4 x 500 ml, ID |        |         |           |           |
|   | Compatible to | FC5714   | FC5718      | FC5718R                      | FC5816 | FC5816R | FC5916    | FC5916R   |
|   | max. speed    | —        | —           | —                            | —      | —       | 8000 rpm  | 8000 rpm  |
|   | max. RCF      | —        | —           | —                            | —      | —       | 10367 x g | 10367 x g |

## Accessories

| Order No.       | Description                                 | Vol./Tube  | Tube Diameter | Tube type            | No.of tubes/rotor |
|-----------------|---|------------|---------------|----------------------|-------------------|
| Without Adapter | Rotor, Angle, 4 x 500 ml, ID                | 500 ml     | 96 mm         | Round/Conical bottom | 4                 |
| 30559416        | Adapter, 1 x 250 ml, D60.5 mm, FA, 2/pk     | 250 ml     | 60.5 mm       | Conical bottom       | 4                 |
| 30559417        | Adapter, 1 x 175/225 ml, D61.5 mm, FA, 2/pk | 175-225 ml | 61.5 mm       | Conical bottom       | 4                 |
| 30559419        | Adapter, 1 x 50 ml, D29.5 mm, FA, 2/pk      | 50 ml      | 29.5 mm       | Conical bottom       | 4                 |
| 30559420        | Adapter, 4 x 30 ml, D25.5 mm, RB, 2/pk      | 50 ml      | 29 mm         | Round bottom         | 12                |
| 30559421        | Adapter, 4 x 30 ml, D25.5 mm, RB, 2/pk      | 30 ml      | 25.5 mm       | Round bottom         | 16                |
| 30559422        | Adapter, 6 x 15 ml, D17 mm, FA, 2/pk        | 15 ml      | 17 mm         | Conical bottom       | 24                |
| 30564850        | Adapter, 1 x 250 ml, D61.5 mm, FB, 2/pk     | 250 ml     | 61.5 mm       | Flat bottom          | 4                 |