TERUMOBCT

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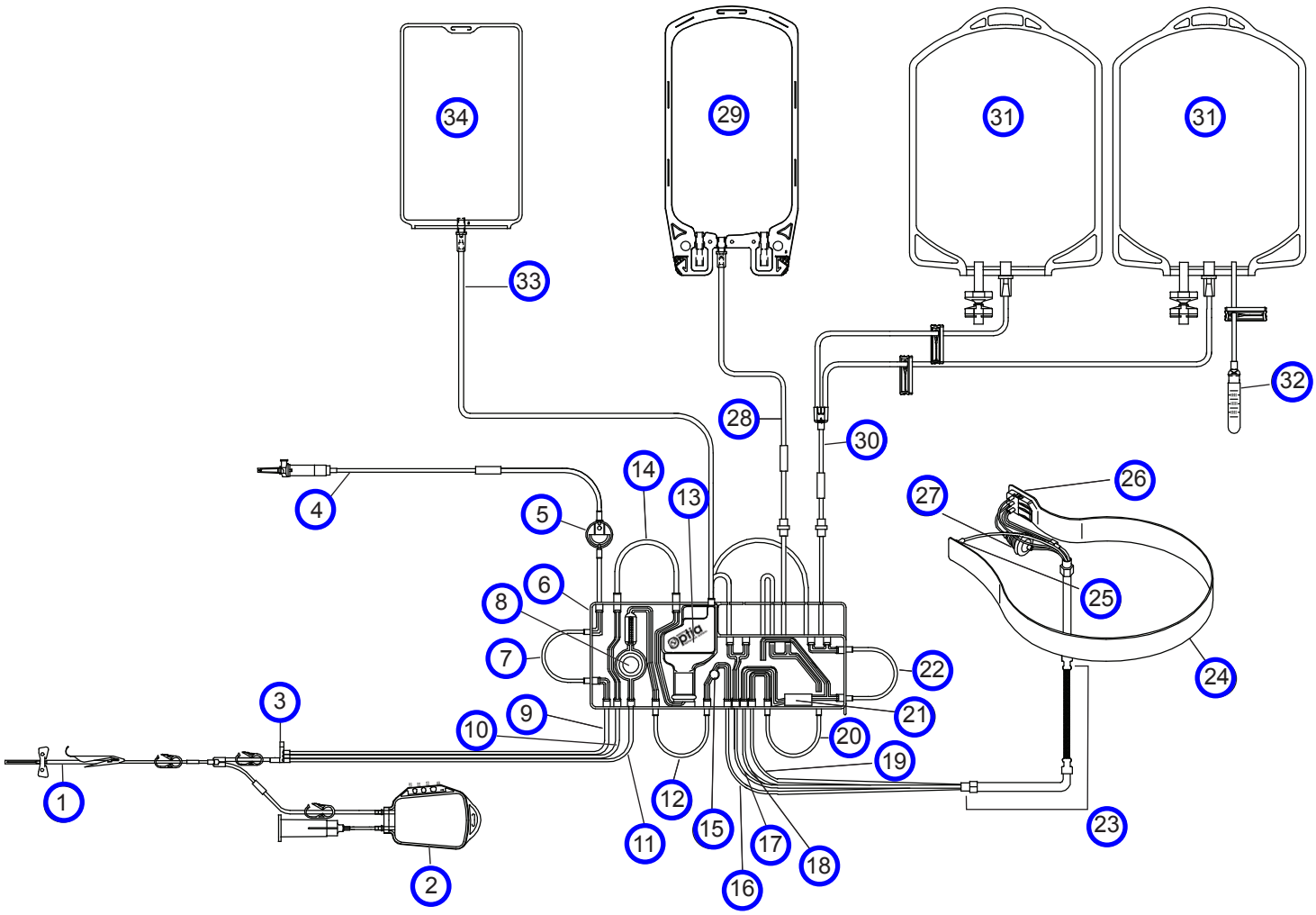

1 Donor line
2 Sample bag
3 AC/draw/return manifold
4 Anticoagulant (AC) line
5 Sterile barrier filter
6 Cassette
7 AC pump header
8 Draw/return pressure sensor
9 AC Line
10 Return line
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14 Return pump header
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34 Vent bag

Spectra Optia® Platelet, Plasma Set
Catalog Numbers 10400, 10406

PN 306610556

Spectra Optia® Platelet, Plasma Set
Part Descriptions

1. **Donor line**: provides access to and return to the donor.
2. **Sample bag**: used to collect blood from the donor for sampling purposes.
3. **AC/draw/return manifold**: consists of the access injection site and the connections for the anticoagulant line (4), the draw line (11), and the return line (10).
4. **Anticoagulant (AC) line (with orange spike)**: carries anticoagulant from the AC bag to the cassette (6).
5. **Sterile barrier filter**: prevents bacteria from entering the system to maintain a functionally closed system.
6. **Cassette**: guides the flow of blood and products through the tubing set.
7. **AC pump header**: the tubing segment that fits into the AC pump.
8. **Draw/return pressure sensor**: monitors the draw and return pressures at the donor access site.
9. **AC line:** carries AC from the cassette (6) to the AC/draw/return manifold (3).
10. **Return line**: carries blood components back to the donor.
11. **Draw line**: carries anticoagulated whole blood into the tubing set.
12. **Inlet pump header**: the tubing segment that fits into the inlet pump.
13. **Return reservoir**: receives uncollected components for return to the donor. Also provides a return filter (200 micron) and air detection.
14. **Return pump header**: the tubing segment that fits into the return pump.
15. **Centrifuge pressure sensor**: detects high pressure in the centrifuge.
16. **Inlet line to centrifuge**: carries blood to the centrifuge.
17. **RBC line from centrifuge**: carries RBC (red blood cells) from the centrifuge for collection or return to the donor.
18. **Platelet line from centrifuge**: carries platelets from the centrifuge for collection or return to the donor.
19. **Plasma line from centrifuge**: carries plasma from the centrifuge for collection or return to the donor.
20. **Plasma pump header**: the tubing segment that fits into the plasma pump.
21. **Cassette label**: used by the Spectra Optia system RBC detector to identify a tubing set as capable of collecting platelet products.
22. **Collect pump header**: the tubing segment that fits into the collect pump.
23. **Centrifuge loop**: consists of lines that are loaded in the centrifuge. Includes:
    - Four-lumen tubing: used to carry fluid into and out of the channel.
    - Sleeves: used to reinforce the tubing.
    - Collars: used to secure the ends of the loop in the centrifuge.
    - Bearings: used to connect the loop to the centrifuge.
24. **Channel**: used during centrifugation to separate the donor's blood into cellular components.
25. **Inlet port**: routes incoming blood into the channel.
26. **Collection chamber**: routes separated blood products to the appropriate collection lines.
27. **LRS chamber**: provides leukoreduction of collected platelets.
28. **Plasma collect line**: carries the collected plasma to the plasma bag (29).
29. **Plasma bag**: 1 L bag that holds concurrently collected plasma.
30. **Platelet collect line**: carries the collected platelets to the platelet bags (31).
31. **Platelet bag:** the bag where the collected platelets are stored. The bag is made from PVC with a citrate plasticizer.
32. **Platelet product sampler**: used for product quality testing.
33. **Vent bag line:** carries displaced air to and from the vent bag (34).
34. **Vent bag**: holds displaced air from the system.

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