

Sigma Spectrum Infusion System

Compatible Baxter IV Sets

(For use with **Sigma Spectrum** Infusion Pumps that have been calibrated for Baxter IV set tubing).

NOTE: The superscript numbers referenced in the Compatible IV Set List correspond with the numbers listed in the associated warning.



All sets must include a Blue Slide Clamp on the section of the set to be placed into the Pump.

| No. | Brief Description |
|---|--|
| Primary Set Macro (10 drops/mL) | |
| 1C8109s | Solution Set, 101" (2.6 m), Male Luer Lock Adapter ⁷ |
| 1C8160s | Solution Set, 69" (1.8 m), Male Luer Lock Adapter ⁷ |
| 1C8296s | Solution Set, 125" (3.2 m), Male Luer Lock Adapter ⁷ |
| 1C8727s | CLEARLINK System, CONTINU-FLO Solution Set, 113" (2.9 m), 3 Luer Activated Valves, Male Luer Lock Adapter with Retractable Collar ^{1,2,7} |
| 2C6255s | CLEARLINK System, CONTINU-FLO Solution Set, 89" (2.3 m), 2 Luer Activated Valves, Male Luer Lock Adapter, Large Bore 4-Way Stopcock Extension Set, 34" (86 cm), Vol. 5.4 mL, 2 Luer Activated Valves, Male Luer Lock Adapter ^{1,2,3,7} |
| 2C6401s | INTERLINK System, Solution Set, Injection Site, Lever Lock Cannula, Luer Lock Adapter, 76" (1.9 m) ⁷ |
| 2C6419s | INTERLINK System, Solution Set with DUO-VENT Spike, 92" (2.3 m), Injection Site, Male Luer Lock Adapter ^{6,7} |
| 2C6541s | INTERLINK System, CONTINU-FLO Solution Set with DUO-VENT Spike, 106" (2.7 m), 3 Injection Sites, Male Luer Lock Adapter ^{1,2,3,6,7} |
| 2C8401s | CLEARLINK System, Solution Set, 76" (1.9 m), Luer Activated Valve, Male Luer Lock ⁷ |
| 2C8419s | CLEARLINK System, Solution Set with DUO-VENT Spike, 92" (2.3 m), Luer Activated Valve, Male Luer Lock Adapter ^{6,7} |
| 2C6519s | INTERLINK System, CONTINU-FLO Solution Set, 89" (2.2 m), 2 Injection Sites, Male Luer Lock Adapter with Retractable Collar ^{1,2,7} |
| 2C6537s | INTERLINK System, CONTINU-FLO Solution Set, 110" (2.8 m), 3 Injection Sites, Male Luer Lock Adapter ^{1,2,7} |
| 2C6931s | INTERLINK System, CONTINU-FLO Solution Set, Length 89" (2.3 m), 2 Injection Sites, Male Luer Lock Adapter, 3-Port Manifold with Check Valves Vol. 1.0 mL, Large Bore 4-Way Stopcock Extension Set Vol. 6.2 mL, Length 41" (104 cm), 2 Injection Sites, Male Luer Lock Adapter ^{1,2,3,7,8} |
| 2C8515s | CLEARLINK System, CONTINU-FLO Solution Set, 106" (2.7 m), Luer Activated Valve, Male Luer Lock Adaptor with Retractable Collar ^{1,2,7} |
| 2C8519s | CLEARLINK System, CONTINU-FLO Solution Set, 112" (2.8 m), 2 Luer Activated Valves, Male Luer Lock Adaptor ^{1,2,7} |
| 2C8537s | CLEARLINK System, CONTINU-FLO Solution Set, 109" (2.8 m), 3 Luer Activated Valves, Male Luer Lock Adapter with Retractable Collar ^{1,2,7} |
| 2C8541s | CLEARLINK System, CONTINU-FLO Solution Set with DUO-VENT Spike, 105" (2.7 m), 3 Luer Activated Valves, male Luer Lock Adapter with Retractable Collar ^{1,2,3,6,7} |
| 3C0062s | INTERLINK System, CONTINU-FLO Solution Set, 89" (2.3 m), 2 Injection Sites, Male Luer Lock Adapter, Large Bore 4-way Stopcock Extension Set, 34" (89 cm), Vol. 5.4 mL, 2 Injection Sites, Male Luer Lock Adapter ^{1,2,3,7} |
| 3C0134s | CLEARLINK System, CONTINU-FLO Solution Set, 88" (2.2 m), 2 Luer Lock Adapter with Retractable Collar, Large Bore 4-way Stopcock Manifold Extension Set, 32" (81 cm), 4.6 mL, Luer Activated Valve, Male Luer Lock Adapter with Retractable Collar ^{1,2,3,7,8} |
| Primary Set Minidrip (60 drops/mL) | |
| 2C6402s | INTERLINK System, Solution Set, 76" (1.9 m), Injection Site, Lever Lock Cannula Male Luer Lock Adapter ^{4,7} |
| 2C6424s | INTERLINK System, Solution Set, 92" (2.3 m), 2 Injection Sites, Male Luer Lock Adapter ^{4,7} |
| 2C8402s | CLEARLINK System, Solution Set, 76" (1.9 m), Luer Activated Valve, Male Luer Lock Adapter ^{4,7} |
| 2C6546s | INTERLINK System, CONTINU-FLO Solution Set, 105" (2.7 m) 3 Injection Sites, Male Luer Lock Adapter with Retractable Collar ^{2,3,4,7} |

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| No. | Brief Description |
|---|--|
| 2C8546s | CLEARLINK System, CONTINU-FLO Solution Set, 105" (2.7 m), 3 Luer Activated Valves, Male Luer Lock Adapter with Retractable Collar ^{2,3,4,7} |
| 2C8548s | CLEARLINK System, Vented CONTINU-FLO Solution Set, 104" (2.6 m), 2 Luer Activated Valves, Male Luer Lock Adapter with Retractable Collar ^{2,4,7} |
| Primary Filter Set Macro (10 or 20 drops/mL) | |
| 1W5000s | INTERLINK System - Solution Set (20 drops/mL), Injection Site, 15 Micron Disc Filter, Male Luer Lock Adapter, 100" (2.5 m) long ^{5,7} |
| 1W5019s | Solution Set (20 drops/mL), 15 Micron Disc Filter, Male Luer Lock Adapter, 93" (2.4 m) long ^{5,7} |
| 2C6571s | INTERLINK System, CONTINU-FLO Solution Set (10 drops/mL), 105" (2.7 m), 0.22 Micron High Pressure, Extended Life Filter, 2 Injection Sites, Male Luer Lock Adapter with Retractable Collar ^{1,2,5,7} |
| 2C8571 | CLEARLINK System, CONTINU-FLO Solution Set (10 drops/mL), 104" (2.6 m), 0.22 Micron High Pressure Extended Life Filter, 2 Luer Activated Valves, Male Luer Lock Adapter with Retractable Collar ^{1,2,5,7} |
| Primary Filter Set Minidrip (60 drops/mL) | |
| 2C6572 | INTERLINK System, CONTINU-FLO Solution Set, 105" (2.7 m), 0.22 Micron High Pressure Extended Life Filter, 2 Injection Sites, Male Luer Lock Adapter ^{2,4,5,7} |

| No. | Brief Description |
|--|---|
| Buretrol Minidrip (60 drops/mL) | |
| 2C7562s | INTERLINK System Buretrol Solution Set, 115" (2.9 m) 150 mL Valveless Burette, 4 Injection Sites, Male Luer Lock Adapter with Retractable Collar ^{3,4,6,7,10} |
| 2C7564 | INTERLINK System, Buretrol Solution Set, 105" (2.7 m) 150 mL Burette, Drip Chamber Filter Valve, 3 Injection Sites, Male Luer Lock Adapter with Retractable Collar ^{3,4,5,6,7,10} |
| 2C8860 | CLEARLINK System, Buretrol Solution Set, 88" (2.2 m), 150 mL Burette, Burette Chamber Filter Valve, 3 Luer Activated Valves, Male Luer Lock Adapter with Retractable Collar ^{3,4,5,6,7,10} |
| 2C8862 | CLEARLINK System, Buretrol Solution Set, 115" (2.9 m), 150 mL Valveless Burette, 4 Luer Activated Valves, Male Luer Lock Adapter with Retractable Collar ^{3,4,6,7,10} |
| 2C8864 | CLEARLINK System, Buretrol Solution Set, 105" (2.7 m), 150 mL Burette, Drip Chamber Filter Valve, 3 Luer Activated Valves, Male Luer Lock Adapter with Retractable Collar ^{3,4,5,6,7,10} |
| Y-Type Blood Set (10 drops/mL) | |
| 2C6750Hs | INTERLINK System, Y-Type Blood /Solution Set, 115" (2.9 m), Standard Blood Filter, 170 to 260 Micron Filter, Injection Site, Male Luer Lock Adapter ^{5,7,11} |
| 2C8750s | CLEARLINK SYSTEM, Y-Type Blood/Solution Set with Standard Blood Filter, 112" (2.8 m), 170 to 260 Micron Filter, Luer Activated Valve, Male Luer Lock Adapter ^{5,7,11} |

| No. | Brief Description – Non-DEHP Sets |
|---|--|
| Primary Set Macro (10 drops/mL) | |
| 2H8401 | CLEARLINK System Non-DEHP Solution Set, 76" (1.9 m), Luer Activated Valve, Male Luer Lock Adapter with Retractable Collar ^{7,9} |
| 2H8519 | CLEARLINK System, Non-DEHP CONTINU-FLO Solution Set, 96" (2.4 m), 2 Luer Activated Valves, Male Luer Lock Adapter with Retractable Collar ^{7,9} |
| 2H6519 | INTERLINK System, Non-DEHP CONTINU-FLO Solution Set, 105" (2.7m), 2 Injection Sites, Male Luer Lock Adapter with Retractable Collar ^{7,9} |
| 2H8537 | CLEARLINK System, Non-DEHP CONTINU-FLO Solution Set, 109" (2.8 m), 3 Luer Activated Valves, Male Luer Lock Adapter with Retractable Collar ^{7,9} |
| 2H6537 | INTERLINK System, Non-DEHP CONTINU-FLO Solution Set, 109" (2.8 m), 3 Injection Sites, Male Luer Lock Adapter with Retractable Collar ^{7,9} |
| 2H8454 | CLEARLINK System, Non-DEHP CONTINU-FLO Solution Set, 68" (1.7 m), 2 Luer Activated Valves, Male Luer Lock Adapter with Retractable Collar, Non-DEHP Large Bore 4-Way Stopcock Extension Set, 59" (1.5 m), Volume 8.7 mL, Large Bore 4-Way Stopcock manifold, Luer Activated Valve, Male Luer Lock Adapter with Retractable collar ^{3,7,8,9} |
| Primary Set Minidrip (60 drops/mL) | |
| 2H8546 | CLEARLINK System, Non-DEHP CONTINU-FLO Solution Set, 105" (2.7 m), 3 Luer Activated Valves, Male Luer Lock Adapter with Retractable Collar ^{3,4,7,9} |

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| No. Brief Description – Non-DEHP Sets Cont'd | |
|---|--|
| Primary Filter Set Macro (10 drops/mL) | |
| 2H8480 | CLEARLINK System, Non-DEHP Solution Set with DUO-VENT Spike, 102" (2.6 m), 0.22 Micron High Pressure Extended Life Filter, Luer Activated Valve, Male Luer Lock Adaptor ^{3,5,6,7,9} |
| 2H8486 | CLEARLINK System, Non-DEHP Solution Set, 108" (2.7 m), 1.2 Micron Downstream Filter, Luer Activated Valve, Male Luer Lock Adaptor ^{3,5,7,9} |
| Buretrol Minidrip (60 drops/mL) | |
| 2H8862 | CLEARLINK System, Non-DEHP Buretrol Solution Set, 115" (2.9 m), 150 mL Valveless Burette, 4 Luer Activated Valves, Male Luer Lock Adaptor with Retractable Collar ^{3,4,6,7,9,10} |
| 2H8864 | CLEARLINK System, Non-DEHP Buretrol Solution Set, 105" (2.7 m), 150 mL Burette, Drip Chamber Filter Valve, 3 Luer Activated Valves, Male Luer Lock Adaptor with Retractable Collar ^{3,4,5,6,7,9,10} |
| IV Fat Emulsion Administration Set (10 or 60 drops/mL) | |
| 2C1145 | Non-DEHP IV Fat Emulsion Administration Set, 10 drop/mL, 86" (2.2 m) ^{7,9} |
| 2C1146 | Non-DEHP IV Fat Emulsion Administration Set, 60 drop/mL, 86" (2.2 m) ^{4,7,9} |

| No. Brief Description - Specialty Use Sets | |
|--|---|
| Paclitaxel Set (10drop/mL) | |
| 2C8858 | CLEARLINK System, Paclitaxel Set, 107" (2.7 m), Polyethylene Lined Tubing, Non-DEHP Pump Segment, 0.22 Micron Downstream High Pressure Filter, Luer Activated Valve, Male Luer Lock Adaptor ^{5,7,9,14} |
| Other Polyethylene Lined Set (10 drop/mL) | |
| 2C8875 | CLEARLINK System, Solution Set with DUO-VENT Spike, 103" (2.6 m), Polyethylene Lined Tubing, Non-DEHP Pump Segment, Luer Activated Valve, Male Luer Lock Adaptor ^{6,7,9,15} |
| Nitroglycerin Set (10 drop/mL) | |
| 1C8043 | Nitroglycerin Set with DUO-VENT Spike, 133" (3.4 m), PVC Tubing Segment, Male Luer Lock Adaptor with Retractable Collar ^{6,13} |
| Nitroglycerin Set (60 drop/mL) | |
| 2C7551 | INTERLINK System, Nitroglycerin Set with DUO-VENT Spike, 103" (2.6 m), PVC Tubing Segment, Injection Site, Male Luer Lock Adaptor ^{4,6,13} |
| 2C8851 | CLEARLINK System, Nitroglycerin Set with DUO-VENT Spike, 103" (2.6 m), PVC Tubing Segment, Luer Activated Valve, Male Luer Lock Adaptor ^{4,6,13} |
| Epidural Set (60 drop/mL) | |
| 2E7554 | Solution Set 108" (2.8 m) Male Epidural Non-Luer Lock Adaptor For Epidural Use ¹⁶ |

| No. Brief Description – Specialty Use UC 8519 Qualified for use ONLY with Sigma Spectrum Pump v6.05.13 and earlier | |
|--|---|
| Primary Set Macro (10 drops/mL) | |
| UC8519 | CLEARLINK System, CONTINU-FLO Solution Set with DUO-VENT Spike, 111" (2.8m), 2 Luer Activated Valves, Male Luer Lock Adaptor, with Retractable Collar ^{3,6,12} |

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NOTE: The superscript numbers referenced in the Compatible IV Set List correspond with the numbers listed in the associated warning.

WARNING: Baxter IV Sets.

General:

1. When using sets with backcheck valves flow rate settings should not exceed 500 mL/hr. Doing so may influence flow rate accuracy or cause upstream air-in-line or upstream occlusion alarms.
2. Secondary flow rates above 300 mL/hr may cause fluid to siphon from the primary container.

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3. Some sets contain two or more slide clamps. Only the slide clamp on the pumping section or on the section with the main roller clamp should be used for pumping operation and clamp detection. Other slide clamps on the set must be used with the set and need to be observed and controlled by the user. To prevent free flow, the slide clamp on the tubing that is loaded into the Pump should be used to open the Pump door.
4. Minidrip chambers (60 drops/ml) should not be used for flow rate settings greater than 200 mL/hr. Doing so may influence flow rate accuracy and cause air-in-line alarms or upstream occlusion alarms.
5. Partially occluded filters can cause air-in-line, upstream occlusion or downstream occlusion alarms or negatively affect flow rate accuracy.
6. Rigid unvented containers used with unvented sets or vented sets with vent closed, will cause upstream occlusions that may not be detected by the infusion Pump.
7. Downstream Occlusions Alarms may be generated at lower pressures than specified in Operator's Manual, Appendix A: Pump Specifications, Downstream Occlusion Pressure.
8. Sets containing a manifold may require longer downstream occlusion detection times than specified in Operator's Manual, Appendix A: Pump Specifications, Downstream Occlusion Pressure.

9. Non-DEHP Sets / Non-DEHP Pumping Segments

When using the compatible, non-DEHP IV administration sets in the Pump, the following performance limitations must be observed:

- 9.1. When evaluated over a one-hour period, the Flow rate accuracy will range $\pm 10\%$ from the expected volume.
- 9.2. Flow rate ranges and IV set usage durations for Baxter non-DEHP IV administration sets are limited to:
 - 10 – 125 mL/hr with IV tubing use of not greater than 36 hours
 - 126 – 250 mL/hr with IV tubing use of not greater than 4 hours
- 9.3. Do not use Baxter compatible non-DEHP administration sets with the **Sigma Spectrum** Infusion System for drugs and therapies requiring infusion flow rates and durations outside of ranges specified above. Doing so may influence flow rate accuracy, downstream occlusion times and post occlusion bolus (bolus release) volumes.
- 9.4. Prior to using the **Sigma Spectrum** Infusion System with non-DEHP IV tubing, healthcare professionals should evaluate drugs, prescribed therapies and patient populations.

10. Buretrol Sets

- 10.1. Buretrols with closed vents, or shutoff valves will cause upstream occlusions that may not be detected by the infusion Pump.
- 10.2. When using a buretrol set containing a ball valve in the drip chamber, an upstream occlusion due to a closed ball valve may not be detected by the Pump.

11. Blood Sets

- 11.1. Blood sets with both clamps closed above the blood filter will cause upstream occlusions that may not be detected by the Pump.

Specialty Use Sets

12. UC8519

- 12.1. When using the UC8519 administration set, the following performance limitations must be observed:
 - When evaluated over a one-hour period, the flow rate accuracy will range $\pm 7\%$ from the expected volume.
 - Flow rate range is limited to 5 – 500 mL/hr.
 - Set change interval of 48 hours or pumped volume of 12 L (whichever occurs first).
- 12.2. Secondary flow rates above 300 mL/hr may cause fluid to siphon from the primary container if the upper slide clamp is open. When the slide clamp is closed above the upper Y injection site, you may infuse the secondary at a rate up to 500 mL/hr without siphoning.
- 12.3. When infusing a secondary at 500 mL/hr, flow rate accuracy will be $\pm 9\%$.
- 12.4. Do not use the UC8519 administration set with the **Sigma Spectrum** Infusion System for drugs and therapies requiring infusion flow rates and durations outside of ranges specified above.

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- 12.5. At the high pressure downstream occlusion alarm setting, the Time to Downstream Occlusion and Post-Occlusion Bolus (bolus release) Volume may increase as a result of longer distances to the occlusion point.
- 12.6. Downstream Occlusions Alarms may be generated at lower pressures than specified in Operator's Manual, Appendix A: Pump Specifications, Downstream Occlusion Pressure. This may indicate a possible downstream occlusion.
- 12.7. Downstream Occlusion Alarms may reach as high as:
 - 10 psi (69 kPa) on the low pressure downstream occlusion alarm setting
 - 24 psi (165 kPa) on the medium pressure downstream occlusion alarm setting
 - 30 psi (207 kPa) on the high pressure downstream occlusion alarm setting

Note: See Appendix D: Downstream Occlusion, for downstream occlusion times and Post Occlusion (bolus release) volume information in the Operator's Manual.

13. Nitroglycerin Sets

- 13.1. Baxter Nitroglycerin IV administration sets flow rate range is 0.5-100 mL/hr.
 - Do not use the Baxter Nitroglycerin administration sets outside of the stated flow rate range.
- 13.2. Downstream Occlusions Alarms may be generated at lower pressures than specified in Operator's Manual, Appendix A: Pump Specifications, Downstream Occlusion Pressure. This may indicate a possible downstream occlusion.
- 13.3. Downstream Occlusion Pressure may reach as high as:
 - 15 psi (103 kPa) on the low pressure downstream occlusion alarm setting
 - 24 psi (165 kPa) on the medium pressure downstream occlusion alarm setting
 - 30 psi (207 kPa) on the high pressure downstream occlusion alarm setting

14. Paclitaxel Sets

- 14.1. Partially occluded filters can cause Air in line, upstream occlusion or downstream occlusion alarms or negatively affect flow rate accuracy.
- 14.2. Downstream Occlusions Alarms may be generated at lower pressures than specified in Operator's Manual, Appendix A: Pump Specifications, Downstream Occlusion Pressure. This may indicate a possible downstream occlusion.
- 14.3. When using sets with rigid polyethylene lined tubing, flow rate settings should not exceed 250 mL/hr. Doing so may influence flow rate accuracy.
- 14.4. Downstream Occlusion Pressure may reach as high as:
 - 15 psi (103 kPa) on the low pressure downstream occlusion alarm setting
 - 24 psi (165 kPa) on the medium pressure downstream occlusion alarm setting
 - 30 psi (207 kPa) on the high pressure downstream occlusion alarm setting

15. Polyethylene Lined Sets

- 15.1. Downstream Occlusions Alarms may be generated at lower pressures than specified in Operator's Manual, Appendix A: Pump Specifications, Downstream Occlusion Pressure. This may indicate a possible downstream occlusion.
- 15.2. When using sets with rigid polyethylene lined tubing, flow rate settings should not exceed 250 mL/hr. Doing so may influence flow rate accuracy.
- 15.3. Downstream Occlusion Pressure may reach as high as:
 - 15 PSI on the low pressure downstream occlusion alarm setting
 - 24 PSI on the medium pressure downstream occlusion alarm setting
 - 30 PSI on the high pressure downstream occlusion alarm setting

16. Epidural sets

- 16.1. Prior to using the **Sigma Spectrum** Infusion System with Epidural tubing, healthcare professionals should evaluate drugs, prescribed therapies and patient populations for Epidural infusions.
- 16.2. At flow rates of 1.9 mL/hr or below, flow rate accuracy is +/- 0.1 mL/hr. If higher accuracy is required, consider an alternate infusion device.

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- 16.3. Epidural administration of drugs other than those indicated for epidural use can result in serious patient injury.
- 16.4. When administering epidural analgesics, use only catheters specifically labeled for epidural analgesia drug delivery.
- 16.5. To help prevent accidental infusion of non-epidural drugs, DO NOT USE epidural administration sets that contain injection sites.
- 16.6. Label the administration container and IV set "EPIDURAL USE ONLY".
- 16.7. Minidrip chambers should not be used for flow rate settings greater than 200 mL/hr. Doing so may influence flow rate accuracy and cause air in line or upstream occlusion alarms.
- 16.8. Clearly identify infusion pumps used for epidural administration.
- 16.9. Use Keypad Lock to guard against unauthorized pump access by a patient or family member.

This document is subject to change, please continue to visit sigmapumps.com or contact Baxter (See Below) for the most current revision.

- Phone: (800) 933-0303 and follow prompts
- Email: medinfo_medproducts@baxter.com

Rx Only. For the safe and proper use of the devices mentioned, refer to the Instructions for Use or appropriate operator's manual.

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