

Infusion Pump Preventative Maintenance

Preventive Maintenance Checklist

Syringe (IV) pumps:

1. Examine plug and line cord.
2. Examine internal cables and connectors.
3. Verify software and menu settings are appropriate for clinical application.
4. Examine controls and switches for proper function.
5. Verify battery chargers and indicators are working
6. Check replacement date for battery. Replace battery if necessary.
7. Confirm lights, indicators, and displays are working.
8. Verify flow stops when device is turned off.
9. If device requires the IV set to be closed before it is disconnected, verify this mechanism is operating.
10. Calibrate machine for flow rate.
11. Check for unusual noise or vibration.
12. Run self-test, if equipped.
13. Lubricate lead screw, gears, and other moving parts as required.
14. Measure chassis leakage current
15. Measure ground resistance.
16. Test audible and visual alarms and indicators.

Feeding pumps:

1. Clean machine and chassis of any enteral solution residue.
2. Examine plug and line cord.
3. Examine internal cables and connectors.
4. Verify software and menu settings.
5. Examine controls and switches for proper function.
6. Verify battery chargers and indicators are working.
7. Check replacement date for the battery. Replace battery if necessary.
8. Confirm lights, indicators, and displays are working.
9. Verify flow stops when device is turned off.
10. Calibrate machine for flow rate.
11. Check for unusual noise or vibration.
12. Check rollers and tubing to see if replacement is necessary.
13. Run self-test, if equipped.
14. Lubricate any rollers or actuators as necessary.
15. Measure chassis leakage current.
16. Measure ground resistance
17. Test audible and visual alarms and indicators.