

PROCEDURE FOR: Disinfection and Sterilization Procedure for the Evita XL Ventilator, Babylog Ventilator, Bear Cub Ventilator and Non-Disposable Items

RATIONALE: Colonization of respiratory equipment through cross contamination or recontamination can lead to increased morbidity and mortality for patients and can be prevented by following proper cleaning techniques. Proper cleaning procedures will also maximize the life span of non-disposable items.

PERSONNEL: Respiratory Therapists

CLEANSING

EQUIPMENT: PDI-Sanicloth (surface disinfectant)
Dispatch Wipe (alcohol-free surface disinfectant)
Detergezyme (liquid bath disinfection)

PROCEDURE FOR: BABYLOG 8000 VENTILATOR

1. Ventilator, mobile stand and cables
 - a. Wipe down each piece with a hospital approved surface disinfectant.
2. Neonatal flow sensor element
 - a. Bath disinfection with Detergezyme.
 - b. Rinse flow sensor element with distilled water.
 - c. Send to Central Sterile to be steam autoclaved at 134 degrees centigrade.
3. Flow sensor housing without element - Central Sterile
 - a. Disinfect by wet autoclave using detergent only.
 - b. Steam autoclave at 134 degrees centigrade.
4. Expiratory valve
 - a. Bath disinfection with Detergezyme.
 - b. Rinse with clear water and dry.
 - c. Send to Central Sterile to be autoclaved at 134 degrees centigrade.
5. Babylog screen
 - a. Wipe with hospital approved surface disinfectant that does not contain alcohol.

PROCEDURE FOR: EVITA XL VENTILATOR

1. Ventilator, mobile stand and cables
 - a. Wipe down each piece with a hospital approved surface disinfectant.

Respiratory Therapy - Unit Practice Manual
John Dempsey Hospital - Department of Nursing
The University of Connecticut Health Center

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- b. Do not allow any liquid into the connector of the flow sensor cable.
2. Neonatal flow sensor element
 - a. Bath disinfection with Detergezyme.
 - b. Rinse flow sensor element with distilled water.
 - c. Send to Central Sterile to be steam autoclaved at 134 degrees centigrade.
3. Spirolog flow sensor
 - a. Disinfect in 70% isopropyl alcohol solution for approximately one hour.
 - b. Rinse with sterile water.
4. Flow sensor housing without element - Central Sterile
 - a. Disinfect by wet autoclave using detergent only.
 - b. Send to Central Sterile to be autoclaved at 134 degrees centigrade.
5. Expiratory valve
 - a. Dismantle expiratory valve only if severely soiled. Unscrew cover lid by hand and remove together with diaphragm. Do not dismantle expiratory valve beyond removing the diaphragm.
 - b. Send to Central Sterile to be autoclaved at 93 degrees centigrade for 10 minutes. Sterilize at 134 degrees centigrade for 10 minutes.
6. Water trap
 - a. Send to Central Sterile to be autoclaved at 93 degrees centigrade for 10 minutes. Steam sterilize at 134 degrees centigrade for 10 minutes.
7. Evita XL screen
 - a. Wipe with hospital approved surface disinfectant that does not contain alcohol.

PROCEDURE FOR: BEAR CUB VENTILATOR:

1. Ventilator, mobile stand and cables
 - a. Wipe down each piece with a hospital approved surface disinfectant.
2. Flow sensor

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- a. Immerse white sensor in bath disinfection, Detergezyme. Rinse with sterile water and air dry. Wipe wire cable with hospital approved surface disinfectant.

CLEANING

- FREQUENCY:**
1. The disinfection and sterilization procedure of the Bear Cub Ventilator, Babylog ventilator and the Evita XL ventilator and the corresponding non-disposables is to be performed between patients.
 2. The working surface area where ventilator parameters are adjusted and the screen are to be wiped down with a hospital approved disinfectant (alcohol free) every shift. The wipes are to be discarded in the trash can.
 3. Therapists are to wear disposable gloves during the cleaning process.

HUMIDIFIER AND TEMPERATURE PROBE:

1. Wipe down the surface of the humidifier with a hospital approved surface disinfectant.
2. Wipe the temperature sensor with a hospital approved surface disinfectant.

VENTILATOR CIRCUIT:

1. Single patient use to be changed every two weeks.

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