

Royal Hospital for Women (RHW)
NEONATAL BUSINESS RULE
COVER SHEET



Health
South Eastern Sydney
Local Health District

Ref: T25/47665

NAME OF DOCUMENT	Ultra Violet (UV) Steriliser and Dryer for use in Newborn Care Centre
TYPE OF DOCUMENT	Clinical Business Rule
DOCUMENT NUMBER	RHW CLIN162
DATE OF PUBLICATION	August 2025
RISK RATING	Low
REVIEW DATE	August 2030
FORMER REFERENCE(S)	N/A
EXECUTIVE SPONSOR	Sally Wise, Nursing Co- Director Neonatal Services Srinivas Bolisetty, Medical Co- Director Neonatal Services
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SUMMARY	The steriliser uses ultra violet light to eliminate bacteria without heat or moisture from feeding accessories, pacifiers and breast pump parts.
Key Words	Ultra violet, UV, sterilising, baby bottles, pacifiers, breast pump parts

**Ultra Violet (UV) Steriliser and Dryer for use in
Newborn Care Centre**

RHW CLIN162

Contents

1	BACKGROUND.....	2
2	RESPONSIBILITIES	2
2.1	Staff	2
3	PROCEDURE	2
3.1	Equipment.....	2
3.2	Eligibility	2
3.3	Clinical Practice (Appendix A)	3
3.4	Documentation.....	3
3.5	Education Notes.....	3
3.6	Related Policies/procedures.....	4
3.7	References	4
4	ABORIGINAL HEALTH IMPACT STATEMENT DOCUMENTATION.....	4
5	CULTURAL SUPPORT	4
6	NATIONAL STANDARDS	5
7	REVISION AND APPROVAL HISTORY	5
	Appendix A.....	6

Ultra Violet (UV) Steriliser and Dryer for use in Newborn Care Centre

RHW CLIN162

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Within this document we will use the term woman, this is not to exclude those who give birth and do not identify as female. It is crucial to use the preferred language and terminology as described and guided by each individual person when providing care.

1 BACKGROUND

The aim of this CBR is to guide clinical staff in the use of the Ultra Violet (UV) Steriliser and Dryer. The indication to utilise UV sterilisation is based on the use of unique and individualised feeding equipment that is not available as single use in the Newborn Care Centre or for parent/carers who are wishing to use their own feeding equipment.

The UV steriliser processes pacifiers and individualised breast pump parts.

2 RESPONSIBILITIES

2.1 Staff

2.1.1 Nursing

- Identify the need to use bedside UV steriliser
- Clean and sterilising neonatal feeding equipment and pacifiers
- Clean and maintenance of UV Steriliser equipment
- Storage of sterilised items
- Educate parents of the importance of sterilisation of feeding equipment

3 PROCEDURE

3.1 Equipment

- Ultra Violet Steriliser
- Bottle brush
- Neutral detergent
- Storage container for sterilised items

3.2 Eligibility

- Neonates using specialised feeding equipment not available in single use

Ultra Violet (UV) Steriliser and Dryer for use in Newborn Care Centre

RHW CLIN162

3.3 Clinical Practice (Appendix A)

Note:

Sterilise one patient's items at a single time. DO NOT mix multiple patient's items in steriliser.

- Remove/shake off any excess water.
- Put the items in the sterilising cabinet.
- Close the display cover.
- Select the 'STERILIZE' function to start the cycle.
 - Place clean items in the inner basket of the steriliser and close lid
 - Turn ON the power at the power point
 - Press the STERILIZE button to choose the appropriate time for small capacity (11 minutes), for medium capacity (16 minutes) or full capacity (21 minutes)
 - The displayed working time gradually decreases until the process is complete.
 - To cancel the mode, press the same function button again.

Note

There is also a "DRY", 'AUTO' and 'STORAGE' function button, these will not be used within NCC.

- Open the lid and transfer the processed items in a clean storage container labelled with the patient identification sticker and store at the bedside.
- Clean the inside and outside of the UV steriliser with neutral detergent wipe as per infection control principles.
- Document type of feeding equipment sterilised and used for neonate's feeds in eRIC.

3.4 Documentation

- eRIC

3.5 Education Notes

- The choice to use a UV steriliser is guided by the versatility of the equipment, the short time spent on sterilising and the fact that no water or heat applied in the process.
- Sterilising doesn't replace washing. Always clean products with warm soapy water before sterilising.
- Store items in a clean, closed container if not using immediately.
- DRY function
 - Place items to be dried in the inner basket of the steriliser and close lid
 - Turn ON the power at the power point
 - Press the DRY button to choose the appropriate time for medium capacity (41 minutes) or for full capacity (51 minutes)
 - The displayed working time gradually decreases until the process is complete.
 - To cancel the mode, press the same function button again.
- AUTO function
 - Place clean items in the inner basket of the steriliser and close lid
 - Turn ON the power at the power point
 - Press the AUTO button to choose the appropriate time for medium capacity (51 minutes) or full capacity (61 minutes)

Ultra Violet (UV) Steriliser and Dryer for use in Newborn Care Centre

RHW CLIN162

- The displayed working time gradually decreases until the completion of the process.
- To cancel the mode, press the same function button again.
- STORAGE function – not applicable

3.6 Related Policies/procedures

- SESLHD Procedure SESLHDGL/063 – Care of infant feeding equipment within SESLHD facilities
- National Safety and Quality Health Service Standards (second edition) | Australian Commission on Safety and Quality in Health Care. 2021

3.7 References

1. Demeersseman N, Saegeman V, Cossey V, Devriese H, Schuermans A. Shedding a light on ultraviolet-C technologies in the hospital environment. *J Hosp Infect.* 2023 Feb;132:85-92.
2. Masjoudi M, Mohseni M, Bolton JR. Sensitivity of bacteria, protozoa, viruses, and other microorganisms to ultraviolet radiation. *Journal of Research of the National Institute of Standards and Technology.* 2021 Aug 20;126:126021.
3. Boyce JM, Donskey CJ. Understanding ultraviolet light surface decontamination in hospital rooms: A primer. *Infection Control & Hospital Epidemiology.* 2019 Sep;40(9):1030-5.
4. Resendiz M, Blanchard D, West GF. A systematic review of the germicidal effectiveness of ultraviolet disinfection across high-touch surfaces in the immediate patient environment. *J Infect Prev.* 2023 Jul;24(4):166-177.

4 ABORIGINAL HEALTH IMPACT STATEMENT DOCUMENTATION

- Considerations for culturally safe and appropriate care provision have been made in the development of this Business Rule and will be accounted for in its implementation.
- When clinical risks are identified for an Aboriginal and/or Torres Strait Islander woman or family, they may require additional supports. This may include Aboriginal health professionals such as Aboriginal liaison officers, health workers or other culturally specific services

5 CULTURAL SUPPORT

- For a Culturally and Linguistically Diverse CALD woman, notify the nominated cross-cultural health worker during Monday to Friday business hours
- If the woman is from a non-English speaking background, call the interpreter service: [NSW Ministry of Health Policy Directive PD2017 044-Interpreters Standard Procedures for Working with Health Care Interpreters.](#)

**Ultra Violet (UV) Steriliser and Dryer for use in
Newborn Care Centre**

RHW CLIN162

6 NATIONAL STANDARDS

- Standard 2 Partnering with Consumers
- Standard 3 Preventing and Controlling Infections
- Standard 5 Comprehensive Care

7 REVISION AND APPROVAL HISTORY

Date	Revision No.	Author and Approval
16/7/25 17.7.25	1	E Jozsa (CNS) Endorsed by NCC CBR Committee
4.8.25	1	RHW BRGC

Appendix A

Ultra Violet Steriliser and Dryer Instructions for Use

1. Sterilise one patient's items at time. DO NOT mix multiple patient's items in steriliser.
2. Wash the items that will be sterilised with warm water and neutral detergent
3. Remove/shake off any excess water
4. Put the items in the sterilising cabinet
5. Close the display cover
6. Select the 'STERILIZE' function to start the cycle
 - Place clean items in the inner basket of the steriliser and close lid
 - Turn ON the power at the power point
 - Press the STERILIZE button to choose the appropriate time for small capacity (11 minutes), for medium capacity (16 minutes) or full capacity (21 minutes)
 - The displayed working time gradually decreases until the process is complete
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 - To cancel the mode press the same function button again.
7. Open the lid and transfer the processed items in a clean storage container labelled with the patient identification label.
8. Clean the inside of the UV steriliser with neutral detergent wipe
9. Document type of feeding equipment sterilised and used for neonate's feeds in eRIC.