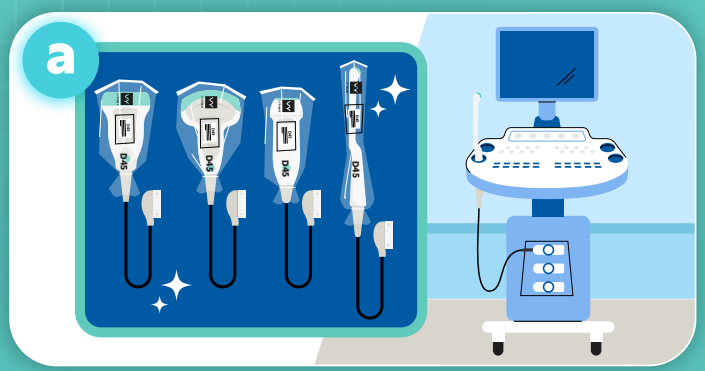
A Complete Workflow for the Disinfection of Ultrasound Probes using

UV Smart D45

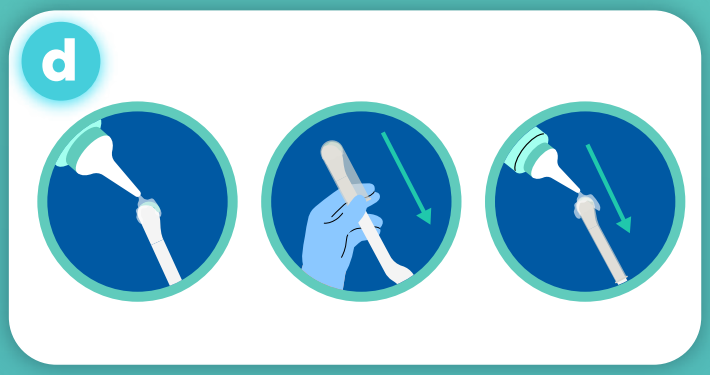
1 Preparation



Remove the probe cover from the ultrasound probe you intend to use and connect it to the echocart.

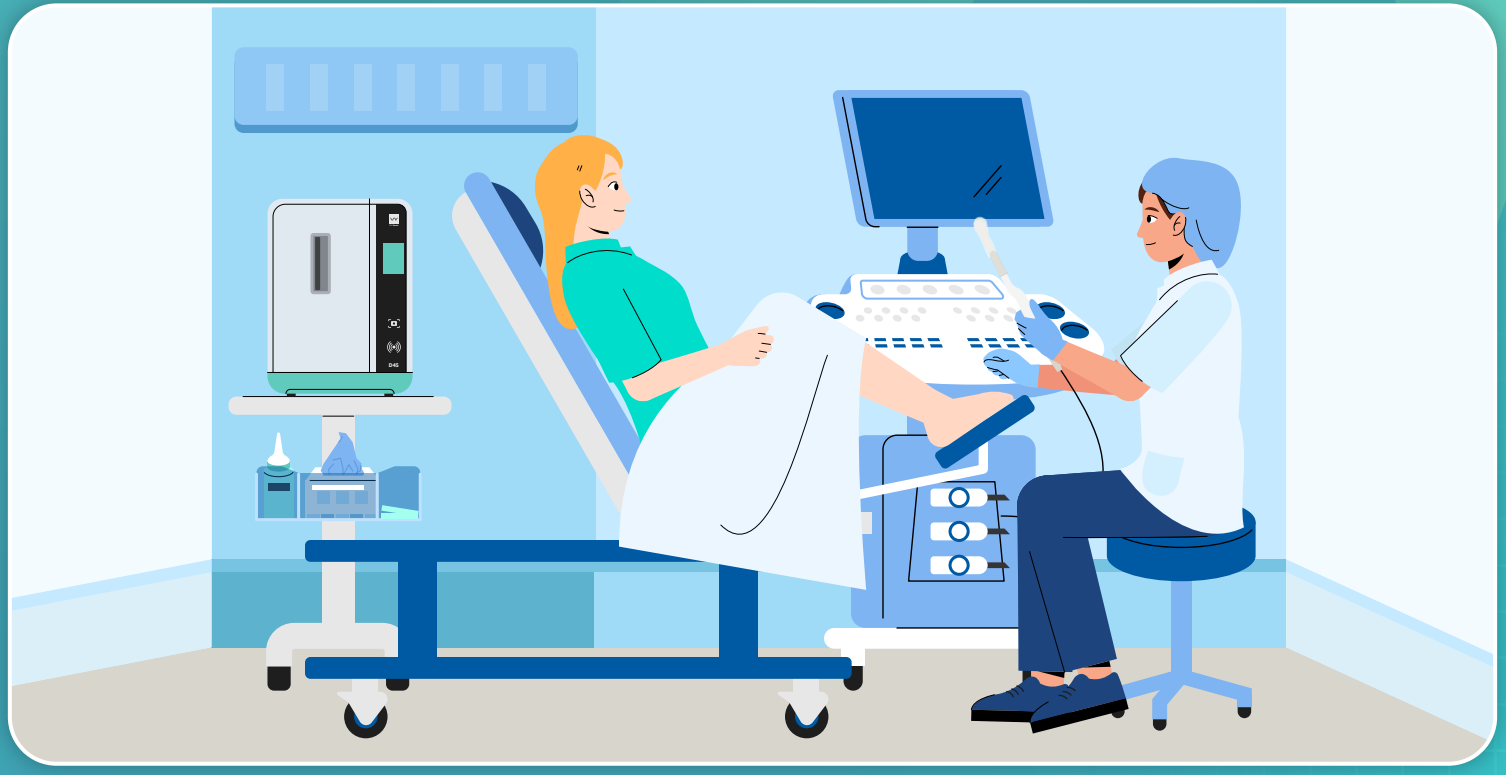
In the room, ensure availability of ultrasound gel, microfiber wipes and sheaths.

Disinfect hands, wear gloves, and prepare the probe.

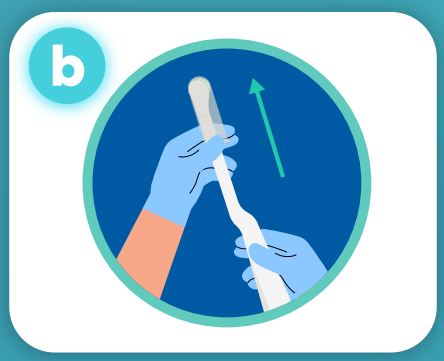


Follow the gel-sheath-gel process for transvaginal probes.

2 Examination



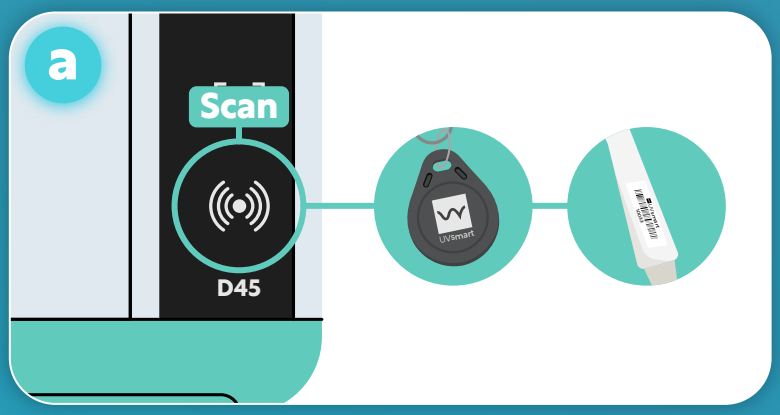
Perform ultrasound scan with proper hand hygiene.



Remove the sheath.

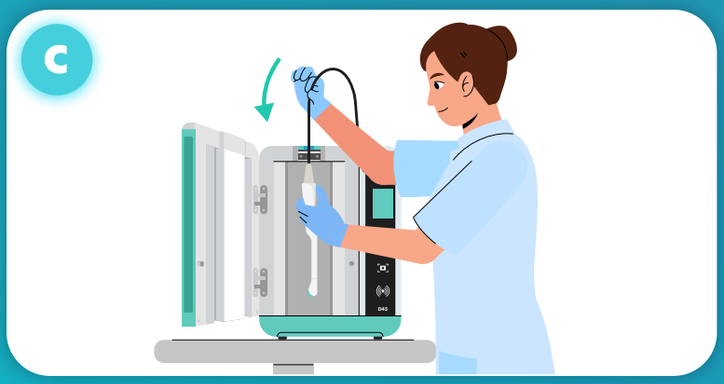
Clean residues/gel from the probe tip/nose.

3 Disinfection Process

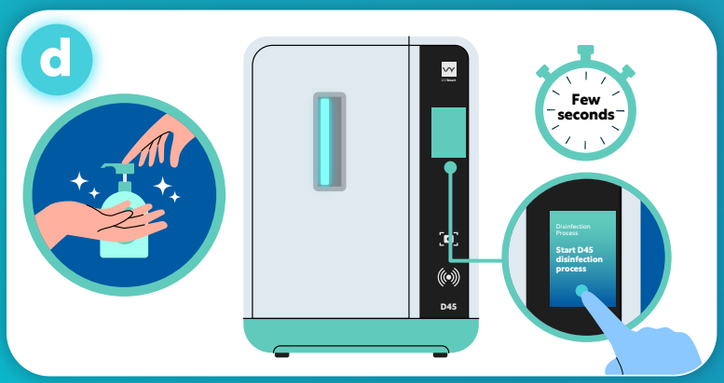


Scan staff badge and RFID tag of the ultrasound probe.

Complete control questions and the door will automatically open.

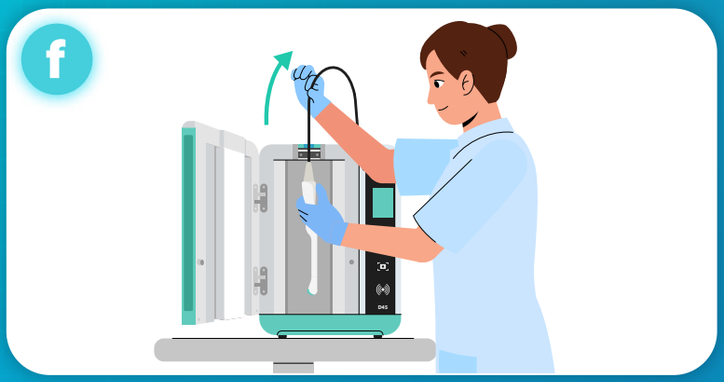


Gently insert the probe into the D45. Make sure it does not touch the sides and the bottom of the chamber.

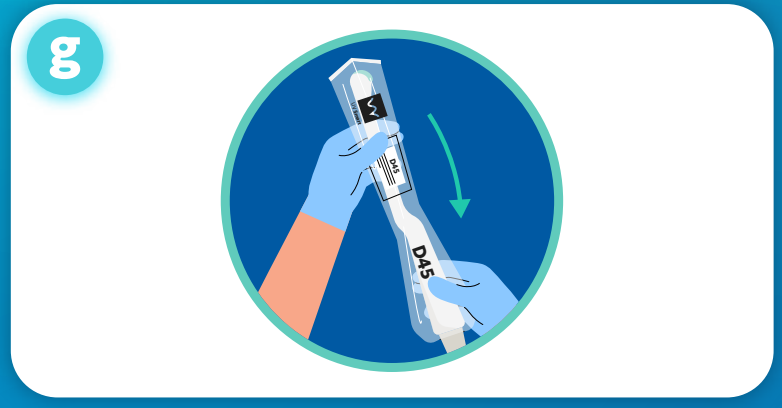


Start the disinfection process which only takes few seconds. The D45 notifies you when the disinfection is completed.

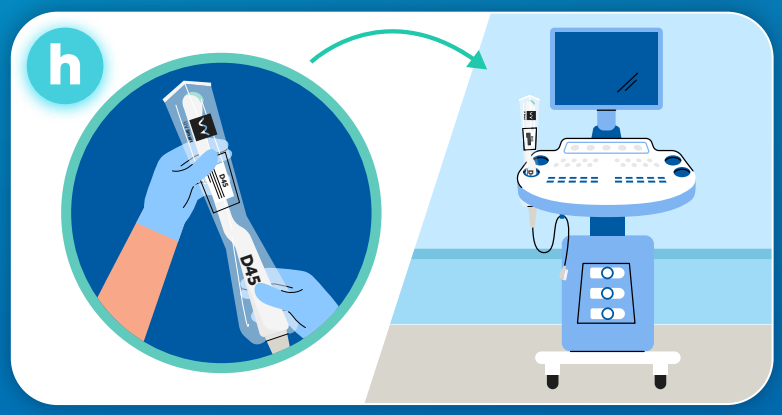
Scan your staff badge to open the D45.



Carefully take out the ultrasound probe.



If the probe is not directly used on the next patient, protect the disinfected probe with a probe cover.



Place the disinfected probe with its cover back to the echocart, in the ultrasound designated holder.

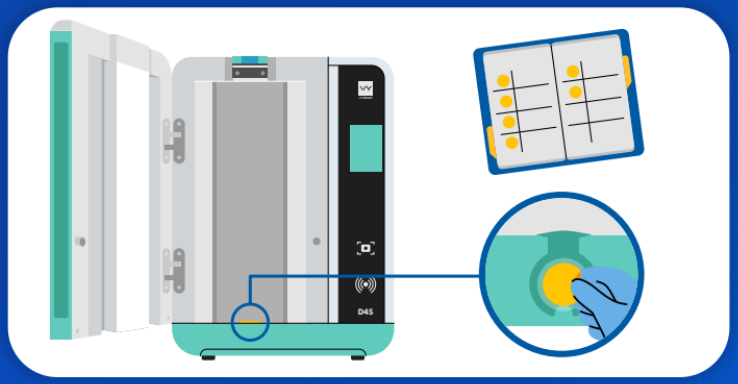
4 UV Smart D45 Cleaning

The D45 prompts remind the user to clean the device. Regularly perform a visual check and clean the device according to the IFU.

Clean the internal and external surfaces of the D45 with a microfiber wipe and UV Smart Device Cleaner.

5 Validation Sticker

Validation can also take place every 48 hours, while cleaning the D45, using validation stickers.



Stick the validation stickers in the booklet for validation traceability.

UV Smart D45 is not CE marked or FDA approved.