Sputum Collection Booth

model VCM-981N2

Tuberculosis (TB) is spread through the air when people who have an active TB infection cough, sneeze, or otherwise transmit their saliva through the air. To prevent the spread of TB, isolation of the patient or special ventilation is required. The sputum collection booth has been developed to prevent TB from spreading while collecting sputum, by keeping the booth under negative pressure, cleaning the exhaust air with HEPA filters, and radiating UV light.

Features

- Small-footprint model that can easily be installed in the corner of a waiting room.
- Inexpensive model with simple functions and operations
- Ventilation frequency of 250 times/h
- Prompt removal of contaminated aerosol from the booth.
- Negative pressure indication light at the front panel allows you to easily confirm the internal pressure.
- Prevents the aerosol generated while sputum collection from spreading by keeping the pressure negative.
- A HEPA filter with bactericidal enzymes is equipped in the exhaustion side.
- Prevents the contaminated aerosol from spreading through the exhaustion side.
- The body is coated with melamine resin (antibacterial coating) suitable for preventing bacterial adherence.
- The front door has a see-through window (frosted glass) that allows you to know about the situation in the booth.
- An ultraviolet germicidal lamp is installed in the booth. It is equipped with an interlock unit to prevent turning on UV light while a patient is in the booth, by using a photo sensor. The UV light automatically turns off 2 hours after lighting.

Specifications

Model		VCM-981N2
Body		steel sheet, melamine resin paint (baked finish)
Outer dimensions (W×D×H) (mm)		980 × 1,585 × 2,200
Inner dimensions (W×D×H) (mm)		900 × 1,185 × 1,815
Air flow system		Down-flow system
Internal pressure		Negative
Filter	air supply	Dust collection filter (strong non-woven cotton + synthetic fiber) Trappin effeciency : 98% at 10μm particle size Prefilter : nylon non-woven fabric
	exhaust	Dust collection efficiency of HEPA filter : PAO particle 0.3μm. 9999% or more with bactericidal enzymes.
Air flow rate		8 m^3/min or more
Ventilation frequency		250 times/h or more
Fluorescent lamp		20W×1
UV lamp		15W×1
Power requirement		Single phase 100V 50/60Hz 15A

NKsystem Bio & Clean Scientific Instruments
NIPPON MEDICAL & CHEMICAL INSTRUMENTS CO.,LTD.

URL: http://www.nihonika.co.jp E-mail: nk.trade@nihonika.co.jp