

Medical device transfer and storage system

Country of origin | United Kingdom

Health problem addressed

BSE (Bovine Spongiform Encephalopathy) crisis has led to heightened concerns that the human form, Creutzfeldt - Jakob disease (CJD), may be transmitted by contaminated instruments or their detachable parts. The recent re-emergence of Ebola also presents a threat of cross-contamination in areas where devices are being used and transported. Many International guidelines state that medical devices should be covered during the transportation process between the procedure room and the cleaning room.



Product description

Colour coded tamper-proof bag and tag system offers a protective environment and clear identification that the equipment is 'clean' or 'contaminated'. During clinical use, instruments are contaminated by multiple microorganisms, and failure to appropriately reprocess and handle devices both contaminated and clean can result in nosocomial outbreaks and serious infections. The system offers a protective environment for the newly disinfected device, the green tag providing clear identification that the equipment is 'clean'. After the procedure, the device is returned to the bag, the red tag attached and the medical device can be safely and hygienically transported back to the cleaning room, with the red tag clearly showing it as contaminated. All parts of the system are single-use to reduce cross-contamination. The system is also sterilized.

Developer's claims of products benefits

The system provides a high level of standardization for the handling of medical devices and other delicate equipment and fills an important gap in the device reprocessing cycle offering a total product solution when used in combination with manual or automated reprocessing systems. It has the features of keeping the instrument safe, sealed and has a tamper-proof design at an advantageous price.

Suitability for low-resource settings

With the number of procedures growing around the world, it is vital that medical devices are processed correctly in order to keep patients and staff safe from the spread of infection. Along with adhering to rigorous cleaning and decontamination practices, proper transport and storage of expensive, delicate endoscopes are crucial to ensure patient and staff safety and maintain optimal function. This product provides a cost-effective solution for the safe handling of medical instrumentation.

Operating steps

Take bag out of box, 1 green tag and 1 red tag. Place bag in a tray with red tag in base of tray. Put clean device in bag and tray. Close bag and twist. Place green tag round bag and seal. Transport device to location and use. Put dirty device in the bag. Close bag and twist. Place red tag round bag and seal. Transport device to location and clean

Regulatory status

The product is manufactured in the UK providing high quality products and enabling close control of the manufacturing process. It is produced in an ISO-9001 registered facility.

The system is registered with the Department of Health and this CE number with the MHRA is CA 012543. It has European Declaration of Conformity Certificate.

Future work and challenges

Supply of product to low-resource settings requires activities of transportation, procurement, inventory control, distribution management, and customer service. Distributors will only make a limited commitment to creating the new product market, because at some point the supplier may choose a different distributor or go direct. Therefore the new product markets are never fully developed in this route to market, and end product is often expensive.

Use and maintenance

User: physician, technician, nurse

Training: no training required

Maintenance: single use, no maintenance required

Environment of use

Setting: Intended for use in any health care facility

Facility Requirements: Requires availability of incinerator

Product specifications

Weight (kg): 6

Dimensions: 625mm x 400mm x 115mm

Consumables: none

Lifetime: 10 years

Shelf Life: 10 years

Retail price (USD): 1

Price of consumables (USD): NA

Other features: single use

Year of commercialization: 2012

Currently sold in: US and Europe

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http://www.who.int/medical_devices