

# Rainbow Trays™



Colour coded Anaesthetic trays

STANDARDIZATION  
SEGREGATION  
INFECTION CONTROL

=  
PATIENT  
SAFETY

## KEY FACTS

### PATIENT SAFETY

01

WHO Global Patient Safety Challenge: Medication without harm WHO/HIS/SDS/2017.6

**5 YEARS**

➤ **WORLD HEALTH ORGANISATION** has launched a global effort to halve medication related errors in 5 years as part of its Medication Without Harm initiative.

50%

  
**9,000**

**5 DAYS**

➤ **PATIENTS WHO** experienced ADEs at LDS Hospital in Salt Lake City were hospitalized up to 5 days longer than patients who did not suffer ADEs, with additional costs of up to \$9,000 per patient.

02

Classen DC, Pestotnik SL, Evans RS, et al. Adverse drug events in hospitalized patients. JAMA 1997;277(4):301-6.

**1 IN 20**

➤ A recent prospective observational study in anesthesia from Harvard Medical School found that approximately 1 in 20 perioperative medication administrations, and 1 in 2 operations, resulted in a ME and/or ADE.

**1  
2**

03

Koren C, Nanji, et al. Anesthes. 2016; 124(1):25-34.

### FINANCIAL

04

American Health & Drug Benefits www.AHDBonline.com November/December 2012 Vol. 5 No 7

**1,200,000**

➤ **AMERICAN HEALTH & DRUG BENEFITS** estimates that preventable ADEs associated with injectable medications impact **1.2 million** hospitalizations annually.

05

American Health & Drug Benefits www.AHDBonline.com November/December 2012 Vol. 5 No 7

**\$5.1 billion**

➤ AHDB Estimate inpatient preventable ADEs associated with injectable medications increase the annual US payer costs by up to \$5.1 billion, averaging \$600,000 in extra costs per hospital.

**\$5,100,000,000**

06

American Health & Drug Benefits www.AHDBonline.com November/December 2012 Vol. 5 No 7

**\$610 million**

➤ An analysis of liability claims estimates that MPL associated with injectable medications totals up to \$610 million annually, with an average cost of \$72,000 per US hospital.



# WHY USE RAINBOW TRAYS™?

## Created to aid in the reduction of medication errors in anesthesia and improve patient safety

Inspired and developed by anesthesiologists and pharmacists to support the ASTM colour coded Critical Care labelling system for anesthetic drugs, Rainbow Trays™ provides a simple and elegant solution for the safe storage and transportation of anesthetic drugs in operating rooms.

It is standard and required practice to safely label anesthetic drugs for use in OR's immediately after drawing up using the critical care labels. These labels adhere to strict requirements for colour and layout as set down by the American Society of Anesthesiologists. Although there is a standard for the organisation of drugs in cabinets, there is currently no standard for the organisation of drugs once drawn up prior to administration. Rainbow Trays™ will effectively bridge this gap to provide standardized storage between drug cabinet and administration.

Rainbow Trays™ support the critical care colors already universally used and understood and have integrated them into a standardized tray system that allows the drugs to be safely transported and maintain their order ready for administration. The use of colored sections makes it immediately apparent when a labelled syringe is wrongly placed thereby providing effective double checking in an environment where this is essential but not always possible with another practitioner.

## Rainbow Trays™ deliver on four important issues:

### ➤ STANDARDIZATION

- Supports the ASTM critical care colour code labelling system
- Standardises the logical progression of use from induction to reversal

### ➤ SEGREGATION

- Physical separation of all drug types to reduce the risk of syringe swaps
- Complete segregation of emergency and local anesthetics
- Keeps relevant ampoule with syringe for effective double checking

### ➤ INFECTION CONTROL

- Bacteriostatic material will not harbour any bacterial growth
- No dispersal of harmful pulp fibres in OR
- Single use trays

### ➤ PATIENT SAFETY

## KEY BENEFITS

The Rainbow Tray™ system is an ideal training aid for new anesthetists as well as comfortably integrating into established working practises of experienced practitioners.



Instantly recognisable ASTM colour coding transcends language barriers and endorses the labels on each syringe allowing for effective self checking

Low light operating rooms provide an enhanced working environment for surgeons but can present difficulties for the anesthetist who needs to see clearly each labelled syringe. Rainbow Trays™ bright & clear color sections will support the correct administrations and reduce medication error.



The three tray system allows for optimum segregation of routine and emergency drugs while providing a tray to be used for local nerve blocking drugs or accessories as required.

Two-part tray system includes a single use disposable tray made from Polyethylene Terephthalate (PET), the bacteriostatic properties of PET means no bacteria can grow thereby supporting improved infection control.

PET is fully and regularly recyclable. Rainbow Trays™ also contain up to 60% of recycled material. Paper pulp trays may have an element of recycled material in them but the cocktail of materials used can render them unsuitable for recycling.

Manufactured in the UK, BRC/IOP manufacturing, CE marked, FDA class 1 registered 3012788981.

Rainbow Trays™

Colour coded Anaesthetic trays

**UVAMED**®  
INNOVATIVE MEDICAL SOLUTIONS