

# Chemosmart



MAKING HEALTHCARE SAFER  
SOINS DE SANTÉ PLUS SÉCURITAIRES



The smarter way to manage cytotoxic waste

# Choose Reusable

Daniels' revolutionary, reusable systems for trace cytotoxic waste set new standards in infection control, environmental effectiveness, logistical cost savings, and compliance.

## CHEMOSMART KEY FEATURES

- ▶ Wide lid opening
- ▶ No plastic bags or cardboard boxes
- ▶ Leakproof body and lid seal
- ▶ Point-of-use positioning
- ▶ Wheeled or static mounting
- ▶ Foot-pedal operation
- ▶ Optimises segregation



### Reusable and eco-friendly

The clinical appearance, distinct colour coding and clear labeling discourages incorrect waste disposal, reducing the potential of disposable premiums for general waste. In addition, workload on environmental services staff is reduced thanks to the compact design, ease of transportability and ability to locate collectors more effectively at point of waste generation. Daniels' reusable systems set a new standard in cost, safety and efficiencies of cytotoxic waste management.



### Cost effective

Leading the way in compliance, the Daniels reusable Chemosmart solution is the first containment system in Canada to eliminate the need for plastic bags and cardboard boxes. This efficiency, and the elimination of disposable collectors, dramatically reduces overall cost, landfill burden and environmental impact. The eco-friendly Daniels Washsmart process uses a fully automated robotic washline, recycling water to minimise environmental impact, and achieving an unprecedented level of cleanliness and bacterial load reduction. Clear labelling and easily identifiable design encourages better waste segregation, resulting in fewer collector exchanges.

Can you afford to use another system?

# CYTOTOXIC WASTE HANDLING

## Industry Standard



**1** Purchase a disposable cytotoxic container



**2** Assemble the disposable cytotoxic container



**3** Dispose of the waste into a disposable container



**4** When disposable container is full, it is closed, placed in a red bag and sealed



**5** Assemble a cardboard box



**6** Red bag is then placed into a cardboard box



**7** Cardboard boxes are sealed and taken to storage for pick up and disposal

# CYTOTOXIC WASTE HANDLING

## The Daniels Difference

### THREE EASY STEPS

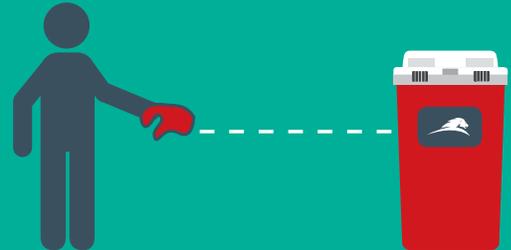
**1**



Wheel the assembled collector to the point of generation of the cytotoxic waste



**2**



Dispose of cytotoxic waste into the collector



**3**



When full, lock the collector and take to storage for pick up and disposal



# Chemosmart Regular

The thirteen safety-engineered features of the Chemosmart Regular collectors make them the safest cytotoxic waste collection units in Canada. Designed with in-built tamper-proof locks which, when engaged, can only be released at a Daniels processing facility; Chemosmart eliminates the risks associated with other cytotoxic containers; a common challenge being unauthorised access to contents on site while awaiting collection and/or in transit.

The Chemosmart Regular collector is designed for ultimate versatility. Its content-concealing safety tray restricts both visibility and hand-access to sharps, and an inbuilt locking mechanism ensures patient safety if accessible in a public area. Understanding the varying healthcare environments and applications in which the collector may be deployed, Daniels Health have designed a range of lockable brackets and trolleys to navigate mounting and movement within an oncology setting, creating a security solution that extends beyond the collector itself.

Ideally suited to infusion bays and public access areas which facilitate point-of-care chemotherapy treatment.



## STANDARD SIZES



CT14

HEIGHT: 285mm  
WIDTH: 398mm  
DEPTH: 210mm  
FILL CAPACITY: 6.4 Litres  
TOTAL CAPACITY: 14 Litres



CT22

HEIGHT: 446mm  
WIDTH: 398mm  
DEPTH: 210mm  
FILL CAPACITY: 14.3 Litres  
TOTAL CAPACITY: 22 Litres



CT32

HEIGHT: 618mm  
WIDTH: 398mm  
DEPTH: 210mm  
FILL CAPACITY: 23.4 Litres  
TOTAL CAPACITY: 32 Litres

## Engineered tamper-proof locking

Engineered to precise tolerances, the patented Daniels Safety Tray prevents hand access to the collector during use, while also preventing overfilling by automatically engaging the tray mechanism into a locked position when contents reach the maximum fill line. Once full, the collectors' tamper-proof side locks are engaged to prevent unauthorised access to cytotoxic contents.

# Chemosmart Access Plus

Designed for cytotoxic waste disposal in infusion bays or secure areas, the Access Plus range of Chemosmart collectors are best in class for cytotoxic waste disposal in secure environments. Engineered with the same inbuilt locking features of the Chemosmart Regular collectors, the Access Plus solves containment, transport and disposal risks of chemotherapy contaminated waste in more secure areas, and its accessible wide access geometry opening gives it greater versatility for bulk disposal of cytotoxic waste.

Understanding the varying medical environments and applications in which the collector may be used, Daniels Health have designed a range of lockable brackets and trolleys to navigate mounting and movement within an oncology environment, creating a security solution that extends beyond the collector itself.

As a safety engineered device, the Access Plus Chemosmart protects contents through the complete cycle of containment, transport and destruction.



## ACCESS PLUS SIZES



CT32

HEIGHT: 618mm  
WIDTH: 398mm  
DEPTH: 210mm  
FILL CAPACITY: 23.4 Litres  
TOTAL CAPACITY: 32 Litres



CT64

HEIGHT: 726mm  
WIDTH: 398mm  
DEPTH: 354mm  
CAPACITY: 47 Litres  
TOTAL CAPACITY: 64 Litres



### WIDE OPENING

The optimal access geometry of the lid opening is designed with a wide aperture for safe disposal. This minimises disposal-related injuries and restricts hand access to the contained waste.

### NO LEAKS

A fixed liquid seal around the rim of the collector lid eliminates leakage of cytotoxic fluids during transport. Container leakage is a common hazard with cytotoxic containers that are not equipped with a leakproof seal.

### CANNOT BE REOPENED

Side locks are tamper-proof when engaged. This safety feature prevents unauthorised access to the collector contents.

### MAXIMUM STRENGTH HARDENED PLASTIC

The medical grade hardened plastic casing of the Chemosmart collectors are completely impenetrable by sharp contents. The Chemosmart has been test-proven to an amazing 500 cycles proving its durability, sterility and re-usability.

### ELIMINATES OVERFILLING

Once the collector is full, the in-built safety tray is activated into an upright closed position to restrict access and overfilling, and alert the need for replacement.

# Chemosmart Accessories

There are numerous accessory options available for the Daniels Cytotoxic collector range – all designed to improve your waste movement and efficiencies.

## POSITION & MOVEMENT

### Soft-Close Accessmart Trolley (with foot pedal)

With clean aesthetics, easy maneuverability, foot-pedal operation and a soft-close lid mechanism to reduce odour expulsion, the Soft-Close Accessmart Trolley is the smartest hands-free mobile solution for the CT64 Chemosmart.

Dimensions: H 36.3" x W 19.7" x D 18.8"

Order Code: 6006500000



### Accessmart Mount Bracket

Designed to mount an S-Series sharps collector to the side of an Accessmart, this bracket can be positioned on either side of the trolley. Mounting screws supplied.

Dimensions: H 4.6" x W 10.2" x D 1.2"

Order Code: 4001916000



### Static Floorstand (with foot pedal)

The Static Floorstand keeps the CT64 Chemosmart elevated off the ground in a fixed position. Hands-free operation is enabled via the foot pedal.

Dimensions: H 30.8" x W 16.4" x D 18.8"

Order Code: 5811000000



### Dynamic Floorstand Kit

Wheel and Handle

Order Code: 5810906000

### 64 Series Floorstand (without foot pedal)

Designed for static use, the 64 Series floorstand is compatible with the CT22, CT32 and CT64 collectors to optimise placement whilst elevating collectors off the ground.

Dimensions: H 25.3" x W 12" x D 14.6"

Order Code: 6424007000



### Cartsmart 1 Trolley (without foot pedal)

Designed to optimise movement of the CT22 Chemosmart collector within patient environments, the Cartsmart trolley is adjustable in height to suit multiple sized collectors and accommodate height-restrictive spaces.

Dimensions: H 32.9" x W 17.1" x D 17"

Order Code: 6000100000



## BULK DELIVERY

### Small Internal Delivery Cart

The Small Internal Delivery cart is ideal for transporting up to 6 x CT64 collectors (3 on each side) and 5 smaller Chemosmart collectors between your loading dock and clinical areas.

Dimensions: H 56.9" x W 56" x D 34.25"

Order Code: 6002400000



### Large Internal Delivery Cart

The Large Internal Delivery cart is ideal for transporting up to 8 x CT64 Chemosmart collectors (4 on each side) and 14 smaller Chemosmart collectors between your loading dock and clinical areas.

Dimensions: H 54.5" x W 74" x D 34.3"

Order Code: 6001900000



## Optimised Waste Segregation

The Daniels point-of-use Accessmart trolley enables the effective segregation of both soft and sharp cytotoxic waste. With hands free operation and easy manoeuvrability, the Accessmart enables the Chemosmart to be positioned in optimum use areas, whilst ensuring all sharps are safely disposed of at the point of care.



# Cytotoxic Waste Segregation

Cytotoxic wastes are defined by the EPA (Environmental Protection Agency) as a hazardous chemical waste and must be managed as biomedical waste.

**Daniels Health offers both trace and bulk cytotoxic waste solutions for your facility. So what's the difference?**

## TRACE CYTOTOXIC WASTE

Vials or other collectors that have less than 3% of the original contents by weight, after removing as much of the chemotherapy medicine as feasible and by normal means. Trace cytotoxic waste typically exhibits reactivity, toxicity, ignitability and corrosivity.

### Waste includes:

- ▶ Any empty cytotoxic containers, intravenous bags/ bottles and IV tubing that do not hold either a P-listed chemotherapy medicine or a State-only hazardous waste.
- ▶ All empty bags, drugs, vials/needles, containers, gloves and tubing with medicine remaining from chemotherapy infusion.
- ▶ Any PPE, masks, gowns and other materials used during chemotherapy infusions that are not visibly contaminated.

## BULK CYTOTOXIC WASTE

The term "bulk" cytotoxic is defined as cytotoxic waste that exceeds 3% by volume and is considered a hazardous waste. Full bags or bottles and P-listed chemotherapy drugs fall under hazardous waste regulations and must be disposed of as hazardous waste.

### Waste includes:

- ▶ Any non-empty containers of chemotherapy medicine, including IV bags, bottles and tubing.
- ▶ Chemotherapy waste that is designated as hazardous waste or State-only dangerous waste.
- ▶ All containers or IV bags and tubing once containing a P-Listed material, including Arsenic Trioxide.
- ▶ Any materials used to clean up a cytotoxic spill.

Provincial and Municipal regulations mandate that chemotherapeutic waste must be processed by incineration treatment only and that **approved collectors and liners** be utilised for disposal and transport.



We believe that sharps handling and waste management in hospitals is a **clinical responsibility** requiring a **clinical solution.**

Find out how the Daniels Difference can transform safety and infection control in your facility.

[www.danielshealth.ca/daniels-difference](http://www.danielshealth.ca/daniels-difference)



**30+** years of experience in healthcare

Serving **20,000+** customers



Diverting **2,000+** tons of plastic from landfill per year



Preventing an estimated **4,000+** needlestick injuries per year



[www.danielshealth.ca](http://www.danielshealth.ca)