



Hospital waste reduction in 3 parts...



INTRO

The Carbon Footprint of the Healthcare System in Canada

The healthcare system is one of the worst contributors, responsible for an estimated 4.6% of national greenhouse gas emissions, more than the aviation and maritime sectors combined.

Sources: Eckelman MJ, Sherman JD, MacNeil AJ. Life Cycle Environmental Emissions and Health Damages from the Canadian Healthcare System: An economic-environmental-epidemiological analysis. PLOS Medicine. 2018 July 31; 15(7).

According to data reported by the *Synergie Santé Environnement* group, if the healthcare system were a country, it would be the world's fifth largest emitter of greenhouse gases (GHGs).

Sources: HEALTH CARE'S CLIMATE FOOTPRINT-Health Care Without Harm Climate-smart health care series Green Paper Number One





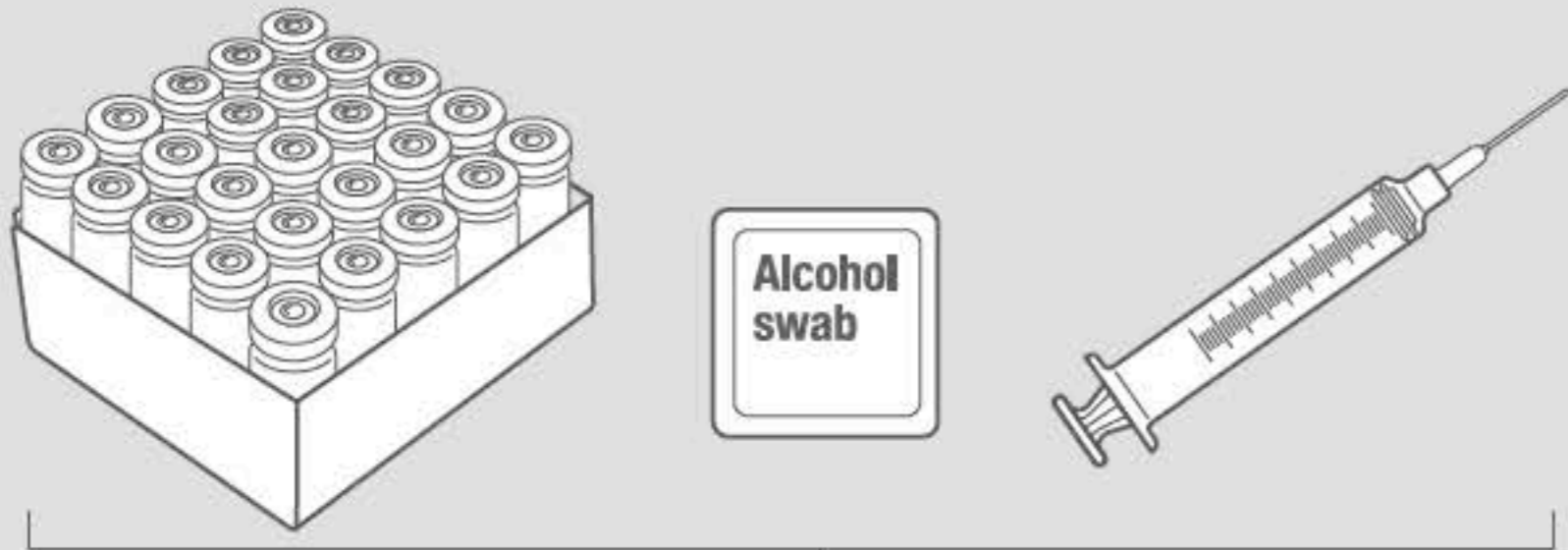
3 PARTS

- 1. Reducing hospital waste at the source.**
- 2. Reducing hospital waste during preparation and administration.**
- 3. Reducing the quantity of drugs destroyed in hospitals: unused magistral preparations, including controlled substance preparations.**

WASTE REDUCTION → 30%



Heparin 5 000 U in 0.5 mL
25 vials



25

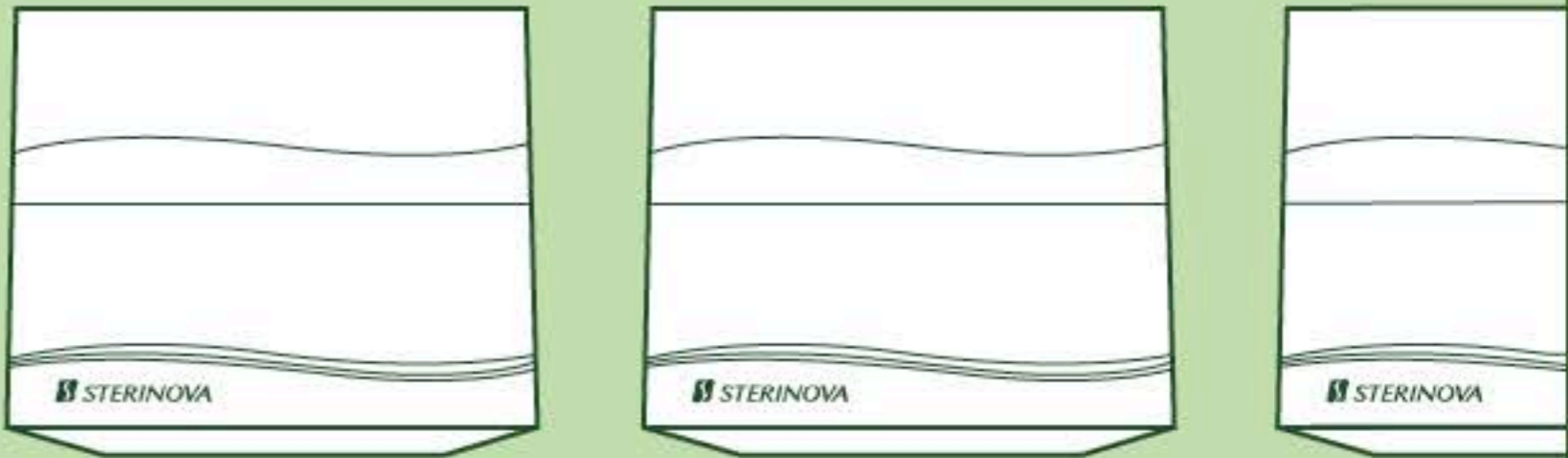
478 g*

Total weight after administration

336 g

* Weight of vials, alcohol swab, syringe and needle may vary according to supplier.

Heparin 5000 U in 0.5 mL
Blister Format • 25 syringes



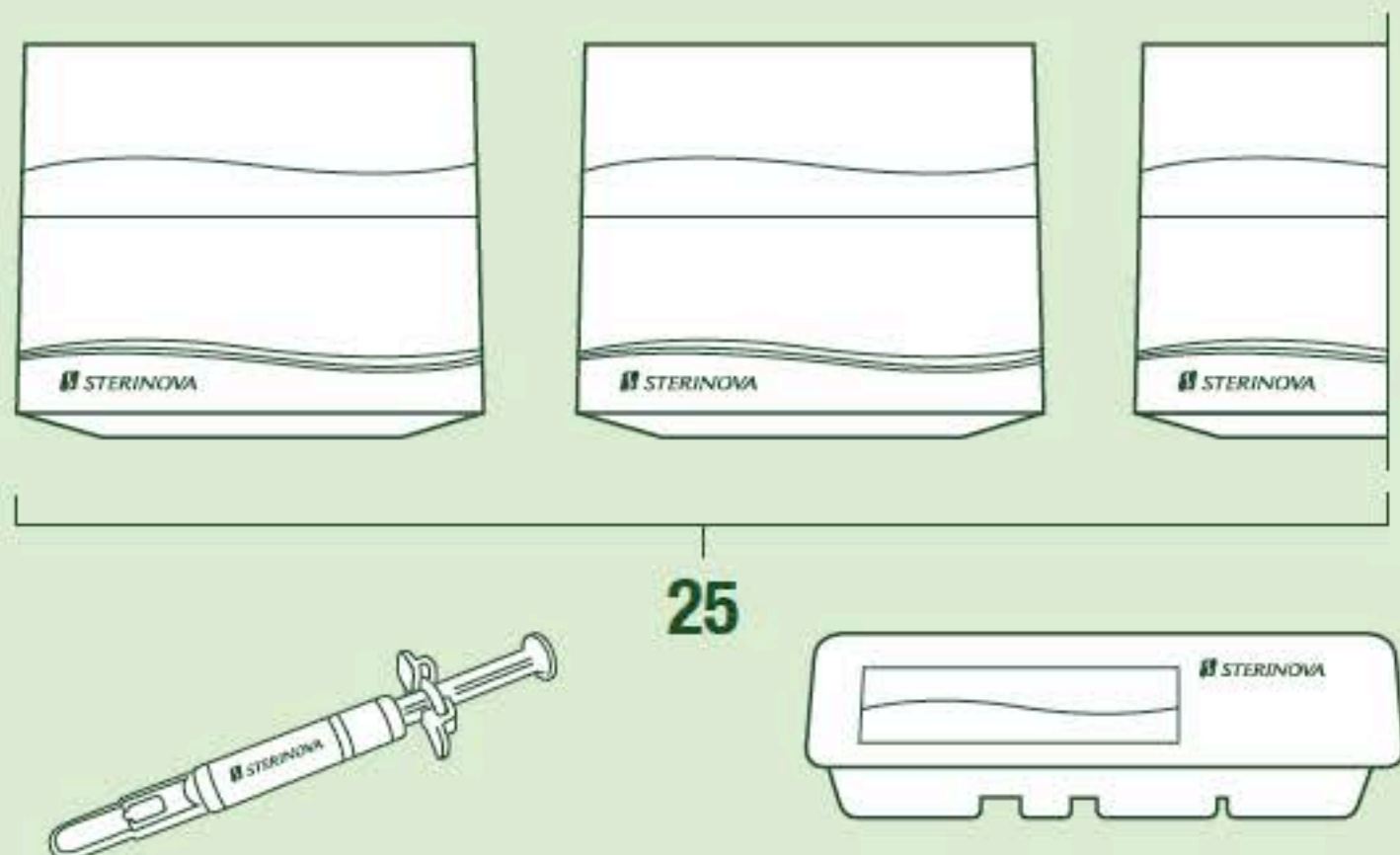
25



WASTE REDUCTION → 46%



Heparin 5000 U in 0.5 mL
Blister Format • 25 syringes



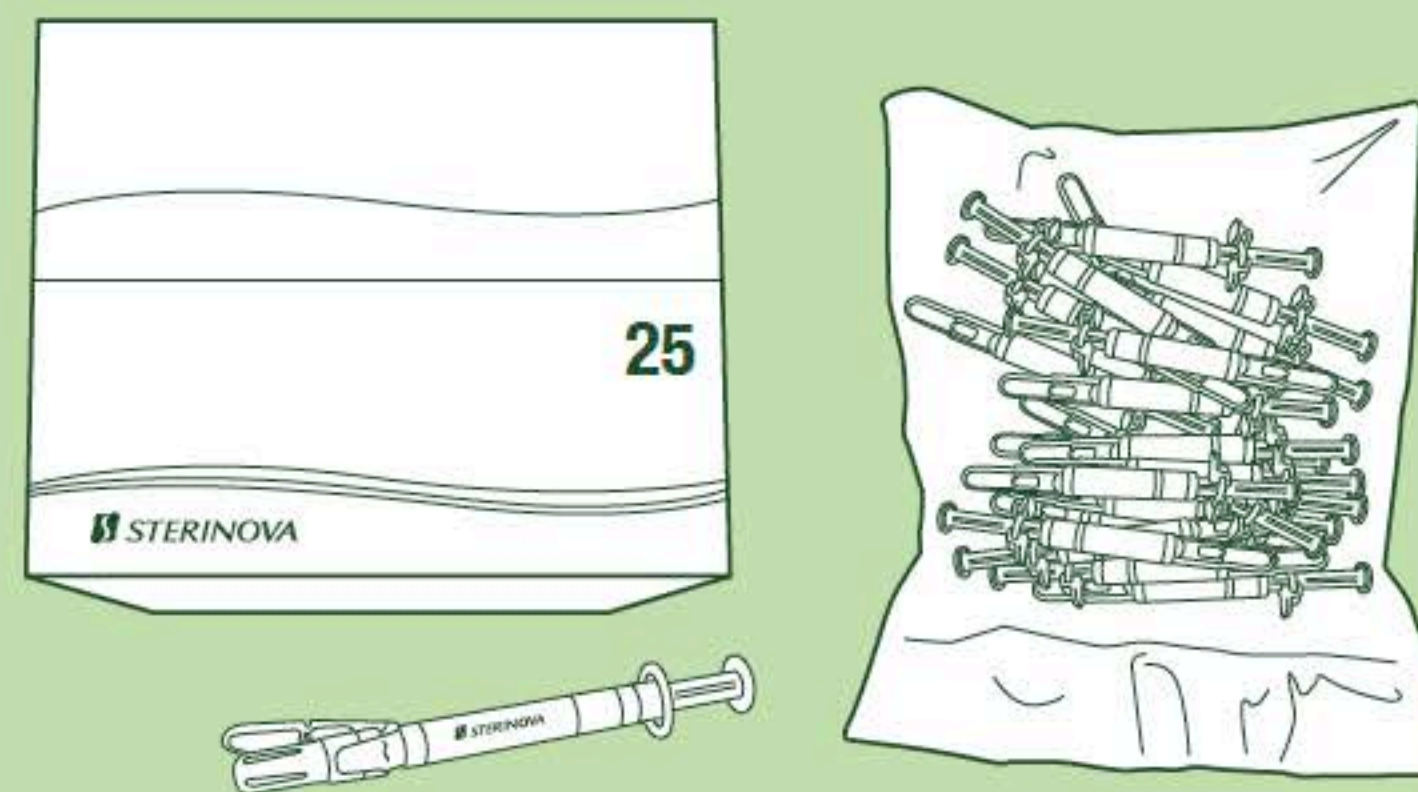
336 g

Total weight after administration

181 g

* Weight of vials, alcohol swab, syringe and needle may vary according to supplier.

Heparin 5000 U in 0.5 mL
Bulk Format • 25 syringes



STERINOVA

571 m

553 m



CN Tower



In 2024, here is the amount of waste saved by hospitals that chose the bulk format:

14 274 boxes!

142 740 blisters!

And the bulk format accounted for only 17% of our heparin syringe sales.

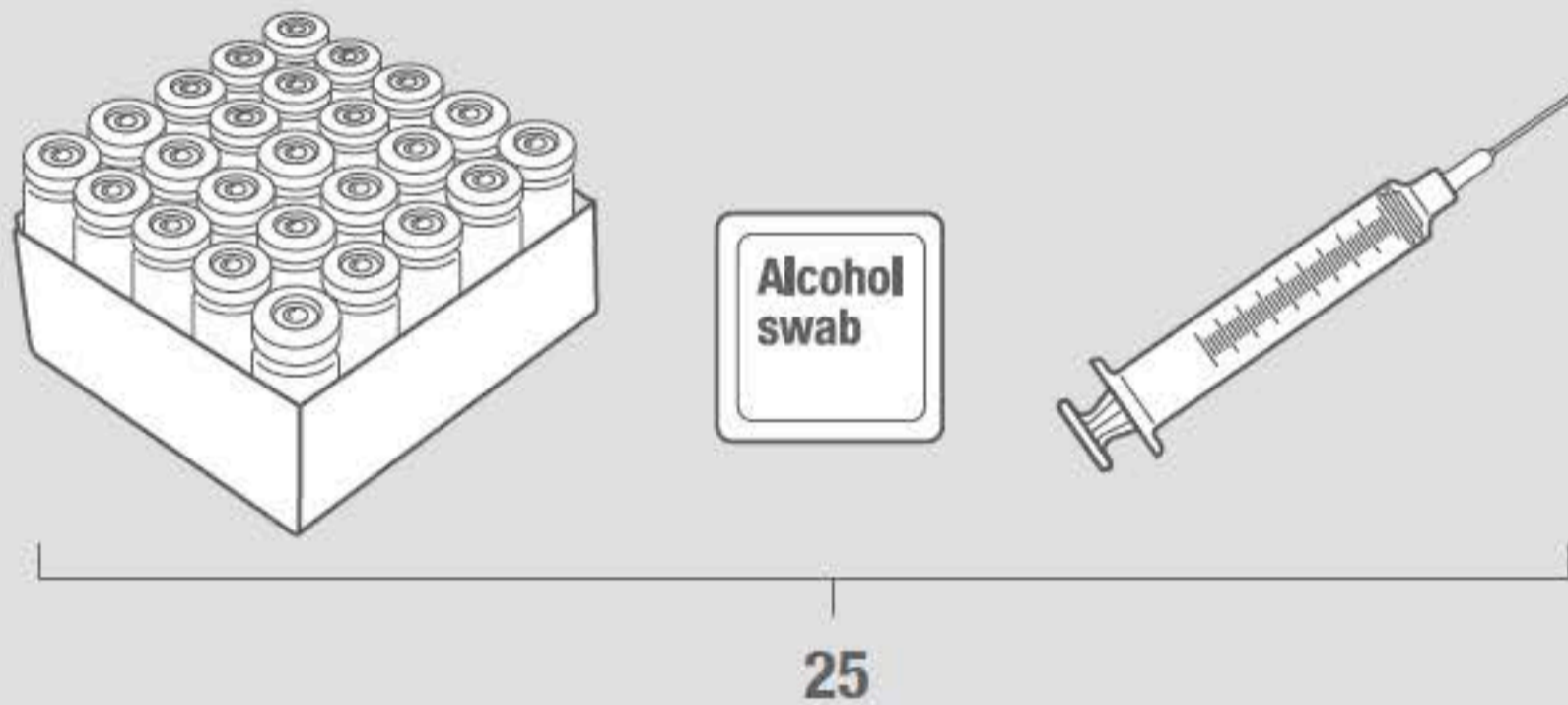
Help us do better—
choose bulk!

 **STERINOVA**

WASTE REDUCTION → 62%



Heparin 5 000 U in 0.5 mL
25 vials

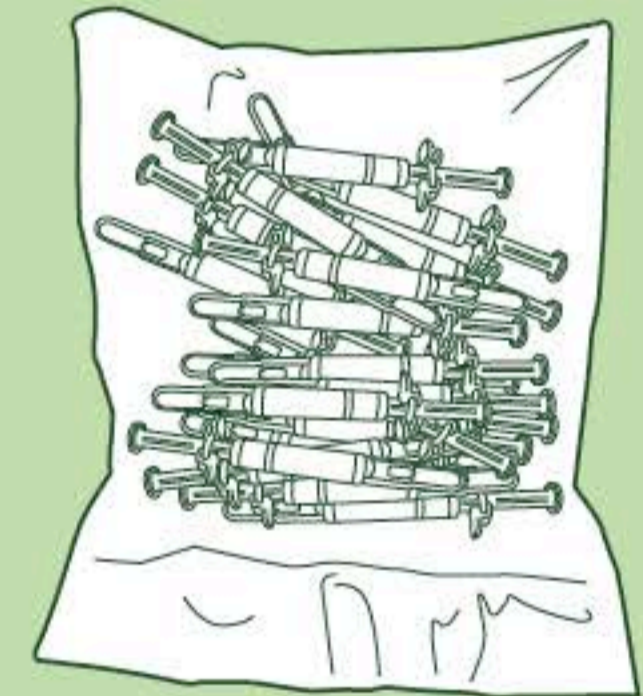


478 g*

Total weight after administration

181 g

Heparin 5 000 U in 0.5 mL
Bulk Format • 25 syringes

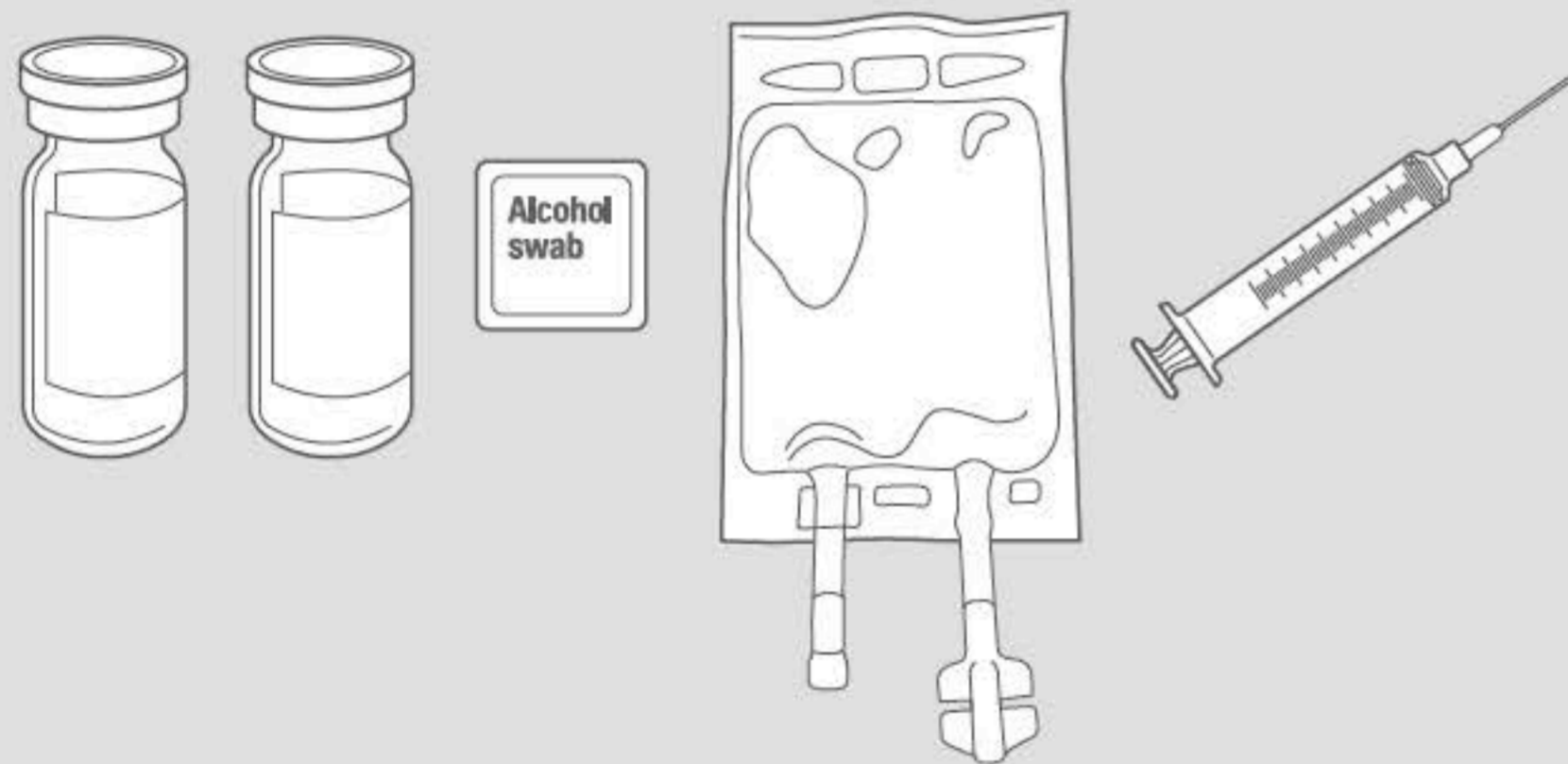


* Weight of vials, alcohol swab, syringe and needle may vary according to supplier.

WASTE REDUCTION → 83%



100 mL bag prepared from
2 vials of 10 mL IV sedative

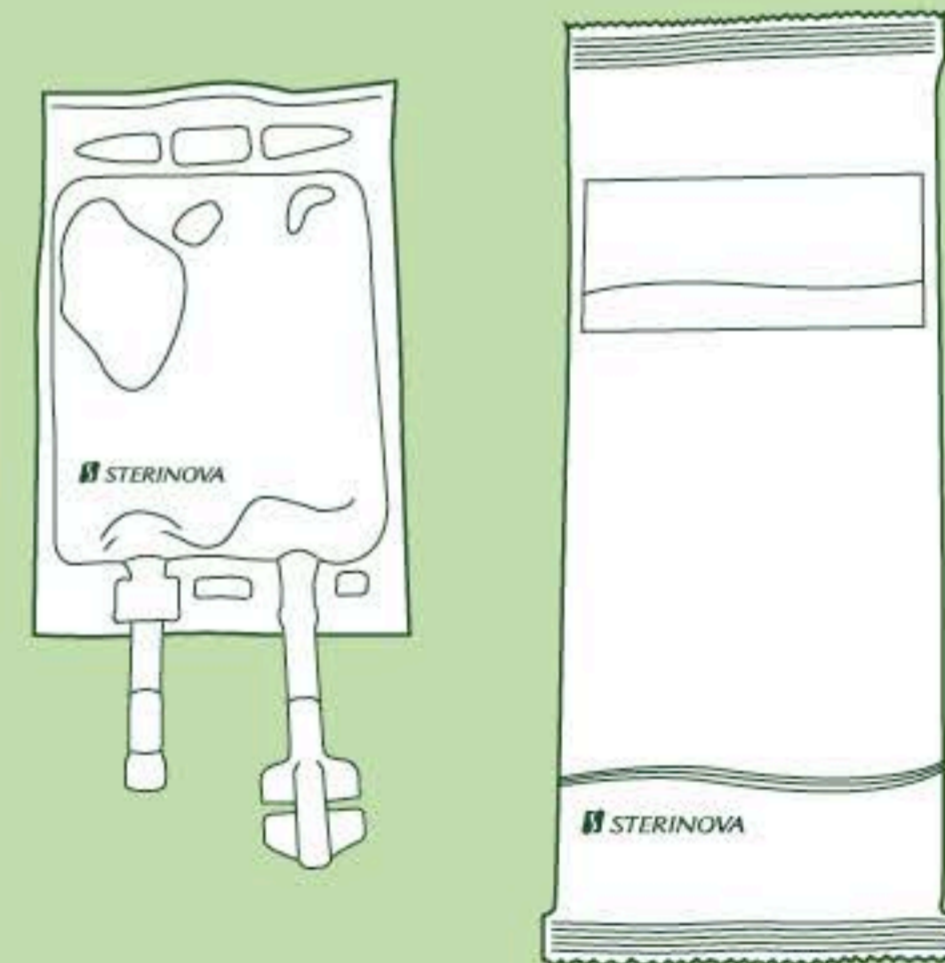


211 g*

Total weight after administration

36 g

Sterinova 100 mL IV sedative bag



*Weight of vials, alcohol swab, syringe and needle may vary according to supplier.



CONCLUSION

Sterinova takes concrete actions and offers solutions to hospitals concerned about their GHG emissions

- **3 ways to reduce waste**
- **Manufacturing in Quebec-Canada (Local & eco-responsible purchasing)**
- **Transportation optimization: One shipment per week**