

# CYTO WIPE KIT

to measure environmental contamination with the cytostatic drugs cis-platin and carboplatin.

## Contents

This wipe kit contains the materials to take 6 wipe samples from several types of surfaces.

- 6 x 2 = 12 tissues
- 6 droppers with 17 ml 0.5 M HCl (hydrochloric acid\*) solution
- 6 containers including labels and plastic mini bags
- 6 pair of gloves
- registration form
- label with the address of the lab of Exposure Control
- instruction of use

\* ***Hydrochloric acid is toxic!  
Do not drink.  
Avoid contact with eyes and skin.  
In case of contact rinse with water.***

## Possible positions for sampling in the pharmacy (preparation)

- work surface biological safety cabinet
- airfoil biological safety cabinet
- grill biological safety cabinet
- floor beneath biological safety cabinet
- floor in the preparation room
- floor outside the preparation room
- lid waste bin
- latches
- refrigerator
- counter
- cart
- table
- bench
- outside cyto vials
- prepared iv bags
- gloves (put in container directly; do not wipe off)

## Possible positions for sampling in the ward and in the out-patients' clinic (administration)

- floor around chair and patient bed
- floor outside the administration room
- top armrest of chair or table
- patient's adjustable table
- lid waste bin
- latches
- refrigerator
- counter
- cart
- table
- bench
- prepared iv bags
- gloves (put in container directly; do not wipe off)

## Instructions of use

In general, samples are taken from a surface of about 0.5 m<sup>2</sup>. Depending on the situation a smaller surface can be wiped off too. For a larger surface, the surface needs to be split into two or more spots. Register the surfaces on a map to ensure that future samples can be taken from the same surfaces. Use reference points which will not change during time such as walls, windows, pillars and doors. Register for each surface the area wiped off. This needs to be done to calculate the contamination per cm<sup>2</sup>.

## Wipe procedure

- 1) put on the pair of gloves
- 2) open the dropper with 17 ml HCl (hydrochloric acid) solution by turning the cap (the dropper is in the container)
- 3) drip the contents of the dropper over the surface to be wiped off
- 4) take one tissue and spread out the contents of the dropper over the whole surface (push the tissue on the surface without damaging the tissue)
- 5) put the tissue in the container
- 6) take the second tissue and wipe the whole surface till dryness (push the tissue on the surface without damaging the tissue)
- 7) put the second tissue in the same container as the first tissue
- 8) take off the pair of gloves and throw away in the bin for cyto waste
- 9) close the container tightly
- 10) add a label on the container with the following information (use a waterproof pen):
  - hospital/institute
  - department
  - date
  - sample code
  - description surface
  - ml of hydrochloric acid solution
  - number of tissues
  - area of the surface
- 11) put the container in the plastic mini bag to avoid damage of the label and close
- 12) write the same information on the registration form

Repeat the procedure for a new sample.

## Storage and transport of the samples

Samples should be stored frozen after sampling (freezer: -20°C) and during transport (dry ice: -80°C) to the lab of Exposure Control in the Netherlands. An appropriate box to transport the samples in combination with dry ice is **not** enclosed in the kit. Please ask a local qualified courier about the transport conditions, regulations, and procedures. **Avoid thawing of the samples.**

Transport the samples to:

Faculty Medical Sciences  
University Nijmegen  
Centraal Ontvangst Goederen  
Department of Epidemiology and Biostatistics  
Mr. R. Anzion / Mr. A. Bilos  
Geert Groote Plein Zuid 30  
6525 GA Nijmegen  
The Netherlands

Put a copy of the registration form in the transport box.

Fax a copy of the registration form to Exposure Control.

Inform Exposure Control about the date of transport and the date the samples are expected to arrive.

Phone: (+31) 24 645 2745  
Fax: (+31) 24 645 2746  
E-mail: [exposure.control@wxs.nl](mailto:exposure.control@wxs.nl)

Version 01-11-2002

# CYTO WIPE KIT

to measure environmental contamination with the cytostatic drugs cis-platin and carboplatin

## INSTRUCTIONS OF USE

cyto wipe kit is developed by

**EXPOSURE CONTROL  
P.O. BOX 467  
6600 AL WIJCHEN  
THE NETHERLANDS**

Phone: (+31) 24 6452745  
Fax: (+31) 24 6452746  
e-mail: [exposure.control@wxs.nl](mailto:exposure.control@wxs.nl)