You’re thinking about your patients. We’re thinking about you.

Detect surface contamination in less than 10 minutes with the BD™ HD Check system.
Hazardous drug contamination may be surprisingly widespread

- Surface contamination with hazardous drugs still occurs frequently, despite well-established safety guidelines and standards from USP, NIOSH, OSHA and others.¹ ²

**Work practices with potential for exposure (NIOSH survey*)³**

- Primed tubing with hazardous drugs: 6%
- Took home clothing that came in contact with chemotherapy drugs: 12%
- Touched doorknobs/cabinets while wearing chemotherapy gloves: 20%
- Used pens/pencils while wearing chemotherapy gloves: 26%
- Touched IV pump/bed controls while wearing chemotherapy gloves: 61%

**Inadvertent spread of contamination can put hospital personnel at risk⁴**

Contamination may be present and easily spread around your institution:

- Nurses’ station
- IV bag storage areas
- Countertops
- Computer keyboard/mouse
- Floor of patient room
- Floor of restroom

**Repeated exposure to hazardous drugs can cause harmful health complications⁵**

Reported health complications include:

- Detrimental effect on DNA and RNA⁶
- Reproductive issues⁸⁹
- Increased risk of cancer⁷
- Damage to internal organs¹⁰

There are no available standards on the acceptable limits for hazardous drug contamination, despite the damage these drugs may cause.

NIOSH, National Institute for Occupational Safety and Health; OSHA, Occupational Safety and Health Administration; USP, United States Pharmacopeia

*Based on an online survey of healthcare workers.
Routine monitoring is recommended to help reduce contamination

Conducting frequent surface wipe analysis may reduce exposure

✓ According to current standards, recommendations and guidelines, conducting surface wipe analysis as part of a comprehensive safe handling program can help minimize hazardous drug exposure.\(^1\)\(^,\)\(^11\)

✓ Current USP <797>, new USP <800> standards and other safe handling guidelines recommend routine testing to check for hazardous residue on various surfaces and verify containment.\(^12\)

✓ A surface wipe sample study (N=1,269) demonstrated a **56% decrease** in contamination levels when monitoring occurred at regular intervals.\(^1\)

Conventional testing methods can be time consuming and may delay important cleaning procedures.\(^11\)

Existing methods to detect hazardous drugs typically require:

✓ Shipping
✓ Offsite analysis
✓ Weeks to receive results
Detect contamination on-site in less than 10 minutes with the BD™ HD Check system

Introducing the first and only rapid detection test for hazardous drugs
- Quickly and reliably provides easy-to-read results, enabling immediate corrective action to be taken.
- Handheld design makes routine testing easy and convenient.
- Tests for select commonly used antineoplastic agents.
- Helps evaluate effectiveness of safe handling processes.

Enables you to track contamination levels over time with the BD HD Check system results logbook.
The BD HD Check system can be integrated easily into your daily routine

The components of the BD HD Check system are easy to use and provide results quickly

1. Collection kit
2. Methotrexate assay cartridges
3. Doxorubicin assay cartridges
4. Analyzer
5. Surface area template

Order the BD HD Check system today

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Detect harmful contamination in just eight easy steps

How to use the BD HD Check system*

1. For each sample location, gather a collection kit, assay cartridges and a template.

2. Establish test area and place a template, if using one, over the intended location. When ready, open the collection kit packaging and then the swab packaging to carefully remove the swab.

3. With slow and firm strokes, swab entire test area with the pre-moistened swab.

4. Insert the swab into the transfer vial, firmly close and fully invert for five cycles.

*Surface testing only. Not intended for human use.
5. Leaving the swab inside, remove the dripper cap and squeeze four drops into the sample well on each assay cartridge.

6. Using a timer, from the point of adding your sample allow five minutes for test development.

7. Turn the analyzer on and insert your first assay cartridge when prompted.

8. The analyzer will process the assay cartridge and display the tested drug’s result. Record and proceed as applicable.
Together let’s keep hazardous drug contamination in check

The BD HD Check system: a revolution in hazardous drug detection

- Risks associated with hazardous drug exposure are well documented.
- Contamination occurs frequently and is widespread, despite well-established safety measures.¹
- Current USP <797>, USP <800> standards and other safe handling guidelines recommend routine environmental monitoring to help improve environmental quality and control.¹¹
- Evidence shows a significant decrease in contamination levels with frequent monitoring.¹
- Conventional contamination testing methods are time consuming.¹¹
- The BD HD Check system can help facilitate routine monitoring, enabling immediate corrective action to be taken.
- Technology licensed from NIOSH.


To learn more about the BD HD Check system, visit bd.com/HDCheck.