

# Monitoring DNA Contaminations

**For tracing sources of DNA contaminations, for environmental surveillance, and more**



## **Convenient & Easy-to-use**

- Sample collection system for effortless recovery of maximum contaminant DNA from any work area.

## **Optimized extraction system**

- For high DNA yields and efficient detection of minimal DNA amounts.

## **Flexible application**

- With user-specific PCR reagents (primers, enzymes) for e.g. carry-over control.
- With our contamination-free, ready-to-use PCR master mix (*optional, sold separately*) for identification of contamination hot-spots or routine lab monitoring.

# SwabUp™ Lab Monitoring Kit

## Background

Small amounts of amplicon or target DNA contaminations represent a major issue in molecular biology, especially for highly sensitive detection techniques like PCR. Originating from aerosols in centrifuges, pipettes, and other lab equipment or from accidental spills, contaminant DNA is very hard to remove and can lead to cross-contaminations between samples. A PCR reaction can detect down to a single DNA molecule, impairing the testing procedure and causing misinterpretation of results, inaccurate data, false positives, or artifacts. Even for experienced users, contaminations do occur and can go unnoticed until they are detected in the PCR.

The SwabUp™ Lab Monitoring Kit is designed to identify DNA contamination hot-spots in molecular biology labs and is a valuable tool for efficient elimination and prevention of DNA contaminations. The SwabUp™ Lab Monitoring Kit is a smart solution for regular monitoring of lab work areas, assessment of the effectiveness of DNA decontamination procedures, and detection of target or amplicon DNA contaminations. This system allows easy and efficient sample collection from surfaces and/or devices, which are more likely to be exposed to DNA contaminations (e.g., centrifuges, pipettes, reaction tube racks, doorknobs, lab notebooks, computer keyboard and mouse, touchpad, desktops and any critical surface of a molecular biology lab).

## Benefits

### Convenient and Easy-to-Use

The SwabUp™ Lab Monitoring Kit is very easy to use. Collection swab applicators are packaged individually in sealed plastic peel-pouches, have excellent absorption ability, and a molded breakpoint in the shaft of the applicator, for easy breaking of the swab applicator after sample collection.

### DNA Extraction System

Optimized for the efficient detection of minimal amounts of contaminant DNA. We recommend combining SwabUp™ Lab Monitoring kit with our contamination-free, universal PCR master mix ConviFlex™ DNAmP, which contains all core components for PCR or qPCR. Only reaction-specific primers and template DNA need to be added by the user.

## Product Features

### Content

- Separately packed swabs
- Collection Buffer tubes
- Spin column-based DNA extraction system

### Storage and Shelf life

DNA extraction system should be stored at room temperature, Collection Buffer tubes must be stored at +2 - +8 °C. Swabs can be stored at +2 - +30 °C.

### Required Consumables

Ethanol (> 96 % abs.), 1.5 ml reaction tubes

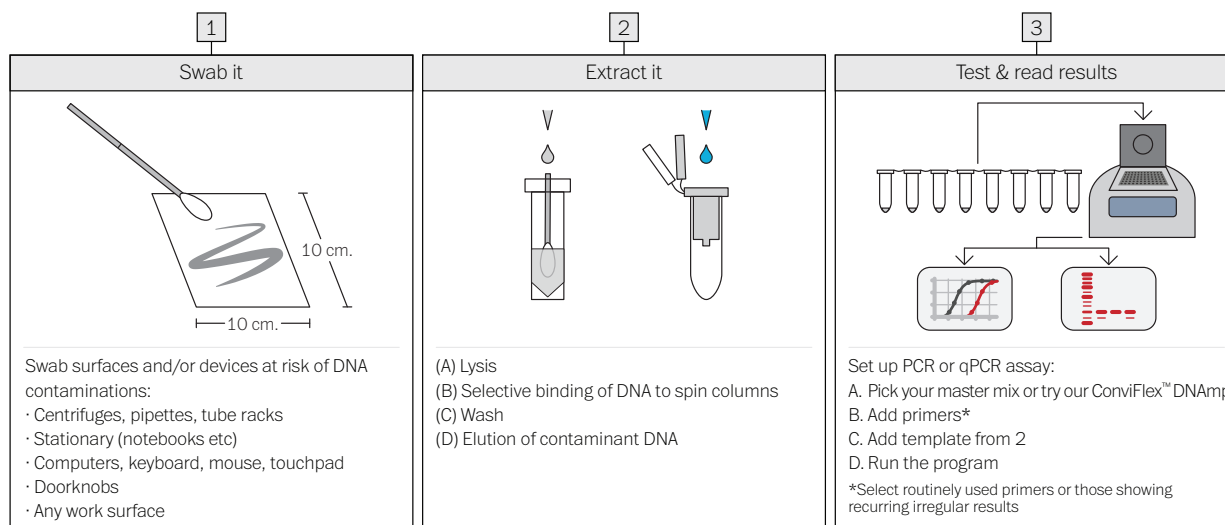
Optional for PCR: ConviFlex™ DNAmP (Cat. No. 191-0025/-0100/-0250)

### Required Lab Devices

Microcentrifuge, heat block, vortex, pipetting equipment



## Lab Monitoring in just 3 steps



## Ordering Information

SwabUp™ Lab Monitoring      Cat. No. 181-0010    10 applications  
   Cat. No. 181-0050    50 applications

## How to order

Phone: +1-908-524-4661  
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