

Decontamination solution

- Prepare daily fresh:
0.5% sodium hypochlorite solution
- LTK-008 solution (Biodelta)

DNA-Extraction AREA

- A) DNA isolation
- C) Addition amplified sample
- D) PCR

1. Wear gloves and lab-coat.
2. Swipe work space once with decontamination solution.
3. Add positive control DNA last and close vial immediately thereafter.
4. Decontaminate work area after adding isolated DNA to Master-Mix.
5. Clean PCR tube racks once with decontamination solution, rinse them with ddH₂O and air dry them overnight, bring them back to the PRE-PCR area afterwards.

Change
cloves and
lab-coat!



Master-Mix
(does not contain
DNA sample)



PRE-PCR AREA

B) PCR preparation

Use of PCR work station recommended!

1. Prior to using the PCR acrylic glass work station switch on the UV light for at least 15min.
2. Do not use the fan.
3. Swipe work station and bench with decontamination solution.
4. Do not open a new package of PCR tubes outside the PCR work station.
5. The PCR tubes should be handled with forceps while wearing gloves at all times.
6. Aliquot PNM, Pre-Mix and enzyme whenever opening a new kit.
7. Always use fresh centrifuge tubes for Pre-Mix und Master-Mix .
8. Open PNM tubes only within the acrylic glass work station.
9. Close all vials in between pipetting steps.
10. Avoid pipetting and handling above open vials.
11. Clean work station, bench space, pipettors, tip boxes and racks with decontamination solution.

Transfer amplification products in closed vials!



HYBRIDIZATION AREA

- E) Opening of PCR tubes
- F) Hybridization
- G) Detection

1. Wear gloves and lab coat.
2. Swipe work area with decontamination solution.
3. Clean work station, bench space, pipettors, tip boxes and racks with decontamination solution.
4. Dispose of gloves and leave lab-coat behind in this area.