

Apparatuses and Consumables to be Supplied by the User for Micro-Dx™ CE IVD

Apparatuses	✓
<ul style="list-style-type: none"> • SelectNA™<i>plus</i> DNA extraction instrument, Molzym, Germany (D-400-001) 	
<ul style="list-style-type: none"> • Sterile forceps for loading of <i>Extraction columns</i>* 	
<ul style="list-style-type: none"> • Sample racks 	
<ul style="list-style-type: none"> • Thermomixer (24 x 2.0 ml tubes, adjust at 56°C, if possible with shaker function) 	
<ul style="list-style-type: none"> • Cooling racks for 1.5 ml tubes (-15 to -25°C, adjust at 4°C) • Cooling rack for PCR tubes/plates (-15 to -25°C, adjust at 4°C) 	
<ul style="list-style-type: none"> • Vortexer, e.g. VWR, Germany 	
<ul style="list-style-type: none"> • Low speed mini-centrifuge (e.g. MiniFuge, VWR, Germany) or a bench top microcentrifuge (e.g. miniSpin, Eppendorf, Germany) 	
<ul style="list-style-type: none"> • Clean work places <ul style="list-style-type: none"> ○ UV Class II biological safety cabinet ○ UV workstation, e.g. GuardOne® Werkbank, Starlab, Germany 	
<ul style="list-style-type: none"> • 2 sets of precision pipettes: up to 10µl, up to 20 µl, up to 100 µl, up to 200 µl and up to 1000 µl, e.g. Eppendorf, Germany 	
<ul style="list-style-type: none"> • Thermocycler <ul style="list-style-type: none"> ○ PCR cycler <u>or</u> ○ Real-Time PCR cycler (ramp 2°C/s) 	
<ul style="list-style-type: none"> • Gel analysis system (2%) (if using conventional PCR) 	
<ul style="list-style-type: none"> • Sequencing analyser, e.g. ABI 310 (Applied Biosystems) or a service provider 	
Plastic ware	
<ul style="list-style-type: none"> • Pipette tips SelectNA™<i>plus</i>, DNA-free, Molzym, Germany (D-925-024/D-925-048/D-925-096) <u>Use only Molzym's DNA-free Pipette tips for the SelectNA™<i>plus</i></u> 	
<ul style="list-style-type: none"> • Waste bags SelectNA™<i>plus</i>, e.g. Molzym (D-928-500), autoclavable 	
<ul style="list-style-type: none"> • Pipette tips (DNA-free; with aerosol filter) e.g. Biosphere® plus, Sarstedt, Germany <ul style="list-style-type: none"> ○ 20 µl type Eppendorf (70.1114.210) ○ 100 µl type Eppendorf (70.760.212) ○ 300 µl type Eppendorf (70.3040.255) ○ 1000 µl type Eppendorf (70.3050.255) 	
<ul style="list-style-type: none"> • PCR tubes/plates (DNA-free), e.g. PCR strip of 4, 200 µl, Biosphere® plus, Sarstedt, Germany (72.990) 	
<ul style="list-style-type: none"> • 1.5 ml tubes (DNA-free), e.g. Biosphere® plus, Sarstedt, Germany (72.706.200) (if using conventional PCR) 	

**Extraction columns* are included in the Micro-Dx™ kit

Chemicals	
<ul style="list-style-type: none"> • Pipetting solution for SelectNA™<i>plus</i> instrument: autoclaved deionized water 	
<ul style="list-style-type: none"> • Surface decontamination: e.g. Meliseptol® New Formula (rapid disinfectant, ethanol containing), B. Braun, Germany (19758) or an ethanol containing disinfectant for cleaning of the SelectNA™<i>plus</i> instrument 	
<ul style="list-style-type: none"> • Cleaning of the waste chute: Mildly alkaline cleaning powder for special washing machines with sodium hydroxide, e.g. LABWASH® Premium Classic, VWR Chemicals (84548.410) 	
<ul style="list-style-type: none"> • Cleaning of the pipetting tubes: 1 % (active Cl₂) sodium hypochlorite solution, prepared from e.g., sodium hypochlorite 14 % Cl₂ in aqueous solution, VWR Chemicals (27900.296) 	
<ul style="list-style-type: none"> • Agarose (2%) (if using conventional PCR), TAE-Buffer and consumables required for the conventional PCR system 	
<ul style="list-style-type: none"> • QIAquick® PCR Purification Kit, Qiagen, Germany (28104) for purification of positive PCR products 	
<ul style="list-style-type: none"> • Sequencing reagents (if not using a service provider) 	

Others	
<ul style="list-style-type: none"> • Waste container: for plastic waste (pipette tips, vials, tubes) and for liquid waste, autoclavable 	
<ul style="list-style-type: none"> • Sterile disposables: <ul style="list-style-type: none"> ○ Gloves, e.g. Kimberly-Clark, Germany ○ Sleeves, e.g. Cardinal Health, Ireland ○ Bouffant Covers, e.g. VWR, Germany ○ Lab coat, e.g. VWR, Germany ○ Hygiene mask, e.g. VWR, Germany 	
<p>Only tissue protocol:</p> <ul style="list-style-type: none"> ○ Sterile forceps ○ Sterile support, e.g. Petri dish ○ Sterile scalpel or sterile preparation scissors 	