UniversAll™ Extraction Buffer II

Cat. No. FYU004-5ML, SYU004-001 Storage: -20 °C

The UniversAll™ Extraction Buffer II is designed to enable DNA amplification directly from a wide range of biological samples without DNA purification. Simply incubate the tissue in the extraction buffer for 10 minutes at 98 °C and then use 1 µl of lysate for PCR. No Proteinase K treatment is necessary.

DNA extraction

Important Note: White precipitate is crucial for the extraction. Please make sure the white precipitate is added when add the buffer to the samples.

(1) Please Mix the buffer well before adding into samples. Add 50 µl of the UniversAll™ Extraction Buffer II to each tissue sample **(~1 mm³ or 1 mg or 2 µl)** in a microcentrifuge tube. For samples like 0.1X serum, saliva and sputum, up to 50 µl of the samples can be extracted using 50 µl of the buffer.

(2) Vortex 5 sec and centrifuge briefly. For the solid sample, make sure the sample block is submerged in the buffer.

(3) Heat at 95-98 °C for 10 min.

(4) Vortex 5 sec and centrifuge briefly.

(5) Use 1-2 µl of DNA extract for PCR amplification or qPCR analysis.

(6) For those difficult samples that contain paraffin, phenolic compounds, heavy metals or some unknown inhibitory metabolites, a 10~100X serial dilution of the lysate is recommended before PCR amplification. The dilution can be done simply using PCR-grade water.