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For Research Use Only

DNrich Lysis Buffer

Description

DNrich Lysis Buffer is designed to isolate double-stranded DNA from a wide variety of biological sources. DNA isolation is based on lysis of the cells and subsequent selective DNA precipitation. DNA obtained by this method can be used for all molecular biology procedures (PCR, restriction digestion, cloning, Southern blot, DNA sequencing, etc.)

Storage Conditions

Product should be stored at 4°C.

Chemical Hazard

Always wear gloves and practice standard safety precautions while using the kit. Do NOT disinfect extraction waste in solutions containing **bleach** or any other form of acid. To clean any items contaminated with the reagent, simply soak in detergent and water to remove all traces of contamination before cleaning with bleach or acidic solutions.

Recommended Protocol

The DNrich Lysis buffer provides a procedure, combining DNrich Lysis Buffer with standard homogenization methods and isopropanol precipitation. Samples are homogenized in DNrich Lysis Buffer. After addition of chloroform, the homogenate is separated into aqueous and organic phases by centrifugation. DNA partitions to the upper, aqueous phase while DNA partitions to the interphase and proteins to the lower, organic phase. DNA is precipitated from the aqueous phase by addition of isopropanol. The pellet is then washed with ethanol and re-dissolved in DNase-free water.

