

Doctor Vida Lysis Buffer

Ref. 133001017





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OVERVIEW

The Doctor Vida Lysis Buffer is a solution containing detergents designed for effective cell disruption and protection of DNA molecules from degradation. This product is only compatible with Doctor Vida Customized LAMP Master Mix (ref. 133001010) and Universal LAMP Master Mix (ref. 133001018).

APPLICATIONS

Doctor Vida Lysis Buffer is suitable for cell disruption of several types of samples, such as, environment, plants, humans, and animals.

KIT CONTENTS

Doctor Vida Lysis Buffer (ref. 133001017).

SHIPPING AND STORAGE

The product is shipped and stored at 2-8°C.

PRODUCT USE LIMITATIONS

This product is only compatible with Doctor Vida Customized LAMP Master Mix (ref. 133001010) and Universal LAMP Master Mix (ref. 133001018).

SAFETY INFORMATION

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the safety data sheet (SDSs) available online in convenient and compact PDF format at <https://doctorvida.store/>. STAB VIDA recommends to have available the contacts of medical emergency and poison center for all staff members.

EQUIPMENTS AND REAGENTS NOT PROVIDED WITH THE PRODUCT

- Pipets and pipet tips (aerosol resistant)
- Laboratory consumables
- Doctor Vida Customized LAMP Master Mix (ref. 133001010) or Universal LAMP Master Mix (ref. 133001018).

PROTOCOL

1. Depending on the type of sample, use the following procedures as a starting point:

Sample type	Recommended procedure
DNA	Dilute sample 1:5 ~ 1:10 in Doctor Vida® lysis buffer. <i>A total minimum of 10 ng of DNA is recommended.</i>
Blood	Dilute sample 1:200 in Doctor Vida® lysis buffer
Urine	Dilute sample 1:10 in Doctor Vida® lysis buffer
Nylon swabs (e.g., oro/pharyngeal, vaginal, rectal swabs)	Squeeze swab directly in 200 ~ 500 µL Doctor Vida® lysis buffer
Amies Transport Medium	Dilute sample 1:10 in Doctor Vida® lysis buffer
Plant tissues	Apply up to 14mm ² of plant tissue directly in 400 ~ 800 µL Doctor Vida® lysis buffer & grind tissue with a pestle or with bead-beating. <i>Alternatively, grind the plant tissue first in molecular-grade water, then dilute sample in Doctor Vida® lysis buffer.</i>



IMPORTANT NOTE(S)

- The volume of lysis buffer used for resuspension may need optimization depending on the sample type. Higher volumes of lysis buffer may be required to minimize the effect of inhibitors. Different sample:lysis buffer ratios should be tested for best results.
2. Incubate the lysate (i.e., sample in lysis buffer) at room temperature for 10 ~ 30 minutes before proceeding with the test.

After incubation, the lysate can:

- Be used immediately with Doctor Vida® Master Mix.
- Be stored at +2°C to +8°C (fridge) for up to 24 hours before testing.

MANUFACTURER INFORMATION

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Monday to Friday from 8:30 am to 5:30 pm. (GMT time)