INTRODUCTION

Detect’Em All is a screening test for HIV and HBV based on the analysis of a drop of blood drawn from the tip of a finger.

Detect’Em All can be used 15 days after a possible exposure to a STI.

Detect’Em All is intended for an autonomous use at home or under medical supervision. The test will take 2 minutes and the result can be obtained in just 15 minutes. A timer is required.

PRINCIPLE

Our test is based on the detection of Reverse Transcriptase which is an enzyme that is produced in the body 14 days after the infection by HIV. For HBV the test detects the surface antigen HBsAg.

On each detection pad, two bands may appear: the control band (to check the sample migration) and the test band.

WARNINGS & PRECAUTIONS

Please read the following instructions carefully before using the test. Wash your hands and dry them before starting the test. Use only if exposure to HIV and HBV is superior to 2 weeks. Only use the test if it was never opened, never used, not damaged, and kept in good storage conditions (as indicated on the package). Check the expiry date. DO NOT RE-USE!

This is a self-test for private use only, for people who want to be diagnosed at home. It has to be used with a drop of blood freshly collected from your finger. If you have trouble understanding the package insert or instructions for use, please contact Sida Info Service immediately at 0 800 840 800 (24/7).

Regardless of whether the test result is negative or positive, you should consult your doctor or a diagnosis center before making any medical decision. Do not forget to also screen your sexual partner.

Precaution for use:
Safety: the buffer is mixture of Phosphate, Magnesium ionic buffer with non aggressive detergents, avoid any contacts with your body.
Biosafety: this test does not contains any dangerous substance.
Detection threshold:
HIV RT: 490 nmol.L-1
HBsAg: 95 μmol.L-1

Further information and a demonstration video are available at:
http://2016.igem.org/Team:INSA-Lyon

KIT CONTENTS

Produced and designed in Lyon
Made in France

VS +

Detect’Em All Buffer Alcohol pad Plaster
1. Press the button
2. Place your finger in the center well of the device.
3. Add buffer into the well in order to enable the diffusion of the sample.
4. WAIT 15mn

RESULT

Positive test

Two bands appear on your test, which means that your blood contains the biomarker of the corresponding virus (HIV for example). You may be infected. You should consult a healthcare professional to have the result confirmed and receive appropriate treatment.

Negative test

A single band appears on your test, corresponding to the control band. You may not have been infected.

5. DON’T FORGET to bring the test back to a drugstore in order to have it disposed of properly. The plastic casing can be recycled. In any case, do not hesitate to consult your primary care-physician for advice on the diagnosis and the treatment options.