

# BODY FLUIDS IDENTIFICATION - BLOOD

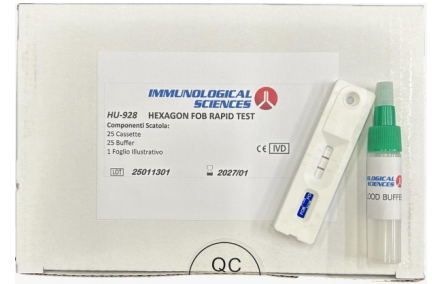
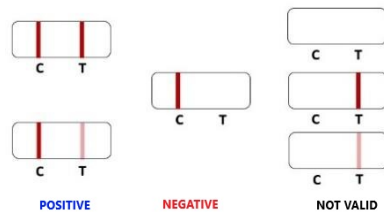
## HEXABLOOD FOB RAPID TEST KIT

**Hexablood** is a qualitative immunochromatographic test, specific for human hemoglobin detection. Haemoglobin is one of the main elements of blood. This protein is a choice marker for blood detection even when the quantity is very low. Moreover, thanks to the use of monoclonal antibodies, obtained from very complex cell culture techniques, immunology methods, used also in forensic medicine, provide both very high sensitivity and high specificity for human blood detection.

The immunochromatographic test is used for forensic use to identify latent traces of human blood. After collection, the presumed trace sample of human blood is transferred to a tube containing an extraction solution. Subsequently the mixture (contained in the collection tube) is placed on the test cassette drop by drop. The extraction medium is absorbed by migration, and the antibodies attached to the colloidal gold bind to hemoglobin to form an antibody-antigen complex, showed on the test area. After dilution the minimum hemoglobin level is 25ng/ml.

If a red line on the C area appears it means that the test is working correctly.

If a red line appears on the T area it means that the human blood sample is present- it means that the results is positive.



Cat.# HU-928

Quantity	Components
25 tests	Hexablood FOB
25 tests	Buffers

## HEXAGON OBTI

The **HEXAGON OBTI** test is a rapid test specific for human hemoglobin. This test is very simple to use. **Two or three minutes are typically sufficient to check whether the revealed trace is human blood or not.**

Human hemoglobin (hHb) reacts with the conjugate composed of blue particles and monoclonal anti-human hemoglobin antibodies. The immunocomplex migrates to the test zone where it is captured by an immobilized second antibody directed against hHb forming a blue test line to indicate a positive result. Unreacted reagents migrate further and are bound in a second line by immobilized anti-mouse IgG antibodies. This control line indicates proper function and correct handling of the test. The test detects whole blood up to a dilution of 1 : 1,000,000. As little as 500 red cells are required for a positive result.

HEXAGON OBTI is a two-part test : a collection tube for the blood sample, and a test bar. A sample of the presumed human blood trace is transferred into the tube with transport medium. This mixture is added drop by drop to the test. A single blue line means the testing liquid is working fine but no human blood has been detected. Two blue lines mean the test has detected human blood.



Cat.# 28009

Quantity	Components
24 tests	Collection Tubes
24 tests	Test Cassettes

## COMBUR 3 TEST

The Combur 3 Test is a dry chemistry test strip used in forensic investigations to detect the presence of hemoglobin in suspected evidence. The strips become green because of the peroxidase activity of hemoglobin. The chromatic reaction is not exclusive of hemoglobin and can give false positive results in presence of vegetal peroxidase, metals (in particular iron and copper), rust, some detergents containing hypochlorites, etc. The Combur 3 Test cannot discriminate between human and animal blood. But it can detect even low concentrations of erythrocytes / hemoglobin (5-10 Ery/ $\mu$ L)

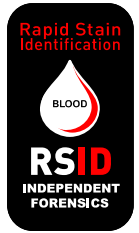


Cat.# 11896857191

# BODY FLUIDS IDENTIFICATION - BLOOD

## RSID-BLOOD

Cat.# 0330



### The First **Confirmatory** Test for Human Blood

Rapid test for Human.

Animal blood does not cross-react with this test procedure.

Species tested include ferveet and primate

No high dose hook effect observed: Minimal sample dil. required . Avoid false negative results

#### Detect as Little as 1 $\mu$ l of Human Blood

RSID-Blood results correlate with STR results.

#### Efficient Sample Analysis

Strip test results are complete in 10 minutes post stain extraction

#### Dual Monoclonal Antibodies

Specific for human glycoprotein A antigen

No cross-reaction observed with human saliva, semen, urine, breastmilk, or amniotic fluid.

#### Immuno-Chromatographic Lateral Flow Strip Test

Standard assay format

Extended shelf life

#### Complete Set of Protocols included

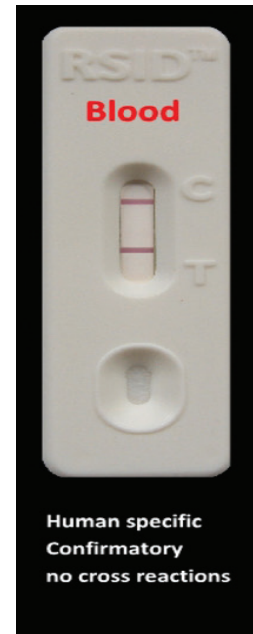
Extraction protocols for forensic samples, including envelopes, bottles, cans, and stained surfaces

Single-tube extraction protocol

Compatible with DNA extraction and STR analysis

Integration into standard laboratory procedure

- ◆ Only Confirmatory Tests for Human Blood  
No other body fluids cross-react  
No animal or Primate cross-reactivity
- ◆ No Animal, Bacterial or Fungal Cross Reactivity
- ◆ No High Dose Hook Effect  
No HDHE false negatives No dilutions required
- ◆ Multiple Body Fluid Detection from a Single Extraction due to **UNIVERSAL BUFFER** common to all RSID kits - RSID™-Semen, RSID™-Blood, and RSID™-Saliva compatible
- ◆ Test Sensitivity Calibrated to DNA-STR analysis  
Positive RSID-Test  $\approx$  sufficient biological material for DNA



### TEST PROCEDURE

