

Influenza, H.Pylori, Urine Strips, DOA, Blood Glucose

Influenza is a highly contagious viral infection of the respiratory tract. Outbreaks tend to occur in winter and early spring when as many as 40% of children can become infected. Type A is usually responsible for large flu epidemics, such as the recent 2009 Swine Flu pandemic.

H.Pylori is a bacterium found in the stomach and causes more than 90% of duodenal ulcers and up to 80% of gastric ulcers.

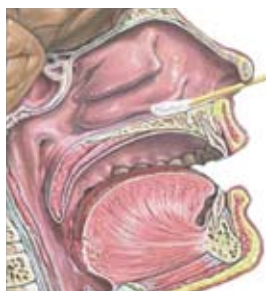
Urine Test strips test for up to 11 parameters in human urine giving fast and effective results.

Drug abuse has a wide range of definitions relating to taking a psychoactive drug or performance-enhancing drug for a non-therapeutic or non-medical effect. This can lead to health problems and social problems, including psychological addiction.

Diabetes affects huge numbers of people worldwide causing long term health problems if badly monitored. Our Blood Glucose Self Testing system monitors glucose levels in human blood.

Avonchem Ltd has many years of valuable experience in the chemical and pharmaceutical industry, having grown consistently each year, now supplying over half of the UK schools with Laboratory chemicals. This success is mirrored in export sales with Avonchem Ltd supplying organisations all over the world, including UNICEF and WHO.

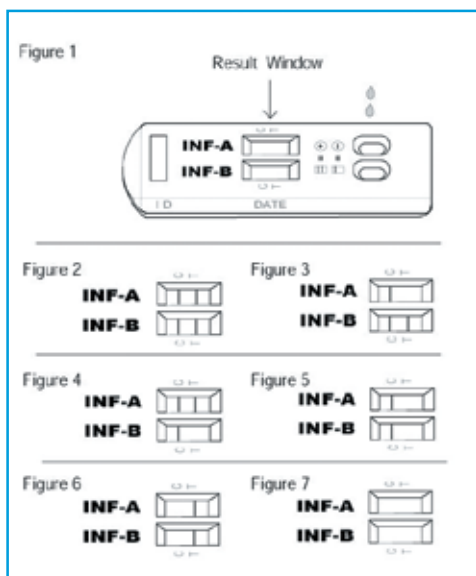
More recently, we have used our experience to develop a Diagnostic and Toiletries division supplying diagnostics to over 25 countries, including Ministries of Health in Saudi Arabia, Qatar and Kuwait.



A sterile flocked swab is passed gently through the nostril and into the nasopharynx

Influenza A/B Test

Influenza A&B is a rapid qualitative in vitro assay that detects influenza type A and B antigens (nucleoprotein) extracted from respiratory specimens. The test is designed to detect nucleoproteins of A and B core subtypes, independent of H and N surface proteins. Ideal for Swine, Avian and Seasonal influenza.



H.Pylori Saliva Test

The Helicobacter Pylori Saliva Antigen Test is a rapid in-vitro diagnostic test designed and manufactured for the detection of H.Pylori Antigen in human saliva.

Common Clinical Symptoms include:

- Frequent stomach pain
- Nausea
- Heartburn
- Anorexia
- Halitosis
- Gastrointestinal haemorrhage

Urine Test Strips

Urine Analysis Strips for the detection of up to 11 parameters in urine samples. Qualitative results are easy to read with or without an instrument, and require no additional reagents.

Drugs of Abuse (Urine & Saliva) Tests

For the detection of DOA in human urine and saliva.

Blood Glucose Strips Self Testing

This Blood in Glucose measurement system is intended for in vitro diagnostic use in the quantitative measurement of glucose in whole blood.



Technical Information

Influenza A/B Test

Sensitivity/Specificity: 92% / 98%

Results in 10 minutes

Shelf life: 24 months

CE Marked

Materials Provided

1. Rapid Influenza A/B test panels (x 20)
2. Swabs (x 20) – flocked for 75% more viral collection
3. Test tube (x 20)
4. Extraction Buffer.

New! – H1N1 Specific rapid test strip for 2009 Swine Flu Strain

H.Pylori Saliva Test

Intended Use

The H. Pylori Antigen Oral test is a simple one step immunochromatographic sandwich assay for the rapid, qualitative detection of H.Pylori specific antigens in saliva.

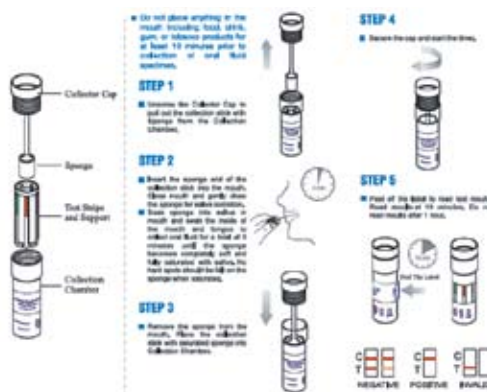
Explanation of test

H. Pylori is spread through contaminated food or water or through direct mouth-to-mouth contact. Often, the bacterium is first acquired during childhood. Our Saliva based H. pylori antigen tests are shown to have high positive predictive values (96%) making them ideal for Point of Care testing and Screening purposes.

Results in 5 to 15 minutes.

Shelf life : 24 months.

Also available for fecal (stool) samples in strip and cassette format.



Drugs of Abuse (Urine & Saliva) Tests

Pick-and-Mix from the following 15 drugs – Choose up to 12 parameters for urine and up to 6 for saliva from the following:

AMP	Amphetamine
BAR	Barbiturates
BUP	Buprenorphine
BZD	Benzodiazepines
BZO	Oxazepam
COC	Cocaine
MDMA	Ectasy
MDN	Methadone
MET	Methamphetamine
MOP	Morphine
MTD	Methadone
OPI	Opiates
PCP	Phencyclidine
TCA	Tricyclic Antidepressants
THC	Cannabis

Shelf life : 24 months

Results in 3 minutes

Drug Detection Devices for suspicious substances (powders) also available.

Urine Test Strips

Shelf life : 24 months

Test time: 1-3 minutes

CE Marked

Choose from the following;

- Ascorbic acid
- Bilirubin
- Blood
- Glucose
- Ketone
- Leukocytes
- Nitrite
- pH
- Protein
- Specific Gravity
- Urobilinogen

Blood Glucose Self Testing

Test result range: 10~600 mg/dL

Test time: 5 seconds

Test blood volume: 0.9µl

Contents of the Blood Glucose Meter kit;

1. Carrying Case
2. User Manual
3. Test Meter
4. Blood in glucose Test Strips
5. Lithium Battery (Installed) – battery life of min. 5,000 readings
6. Lancing Device
7. Lancets
8. Control solution

Ordering Information

Cat. No.	Description	Sample	Format	Size	Shelf Life
INF - 100-20	Influenza A/B Rapid Test	Nasal Swab	Cassette	pk of 20	24 months
INF - 200-20	Influenza A H1N1	Nasal Swab	Strip	pk of 20	24 months
HPS - 200-1	H.Pylori AG	Oral Saliva	Cassette	pk of 20	24 months
HPF - 200-1	H.Pylori AG	Stool Sample	Cassette	pk of 20	24 months
URS - 900-(1-11)	Urine Test Strips 1-11 Para	Urine	Strip	Bottle of 100	24 months
DOA - URI-(1-12)	Drugs of Abuse Test 1-12 Para	Urine	DipCard	1 each	24 months
DOA - SAL-(1-6)	Drugs of Abuse 1-6 Para	Oral saliva	Test Cup	1 each	24 months
A29381-N	Blood Glucose Test Meter	N/A	Meter	1 each	N/A
A29382-N	Blood Glucose Test Strips	Whole Blood	Strip	pk of 50	24 months

Telephone : 0044 (0)1625 434 300 Fax : 0044 (0)1625 869 777 E-mail : info@avonchem.co.uk

Avonchem Limited : Wellington House, Waterloo Street West, Macclesfield, Cheshire SK11 6PJ United Kingdom

TB, Malaria and Dengue Fever

Tuberculosis (TB) is a disease caused by bacteria, common throughout the World, with high daily morbidity levels. Symptoms at early stages of infection are few and difficult to identify, therefore a rapid test is invaluable for early detection. TB attacks the lungs, and HIV sufferers are more susceptible to TB. Areas with a large prevalence of HIV sufferers will significantly benefit from a rapid TB test.

Malaria is caused by protozoan parasites of the genus Plasmodium. Malaria parasites, which share their life cycle with mosquitoes, are injected into the human bloodstream by the bite of female Anopheles mosquitoes. Direct transmission from one human to another can also be caused via the transfusion of infected blood. *P. falciparum* is the most common and virulent strain, causing most malaria-related deaths worldwide. *P. vivax* is a particular problem in SE Asia and S America.

Malaria probably originated in Africa and accompanied human migration to Mediterranean shores, India and South East Asia. Today some 500 hundred million people in Africa, India, South East Asia and South America are exposed to endemic malaria and it is

estimated to cause **two and a half million deaths annually, one million of which are children.**

Dengue fever affects, and infects, large numbers of humans worldwide. It is transmitted by mosquitoes in tropical and subtropical areas. With high morbidity and mortality rates, it is important to provide an effective rapid test to identify infection at the earliest stages.

Avonchem Ltd has many years of valuable experience in the chemical and pharmaceutical industry, having grown consistently each year, now supplying over half of the UK schools with Laboratory chemicals. This success is mirrored in export sales with Avonchem Ltd supplying organisations all over the world, including UNICEF and WHO.

More recently, we have used our experience to develop a Diagnostic and Toiletries division supplying diagnostics to over 25 countries, including Ministries of Health in Saudi Arabia, Qatar and Kuwait.



TB Rapid Test

A Rapid test on Whole Blood, Serum or Plasma in under 10 minutes. A rapid test allows identification in the remotest of areas, to enable treatment to be implemented fast and effectively. Our rapid test is a chromatographic immunoassay for the qualitative detection of the anti-TB antibodies, and is an effective supplementary or substitutional test for X-ray or sputum culture examination.

Malaria Antigen Test

The Malaria Antigen test is a rapid in-vitro diagnostic test designed to detect the presence of Malaria antigens in a human blood sample.

Our rapid tests are a membrane based test which determines the presence of the proteins HRP-2 and/or PLDH specific to Malaria antigens, in Red Blood Cells from the sample provided. The result is available in 10 to 15 minutes.

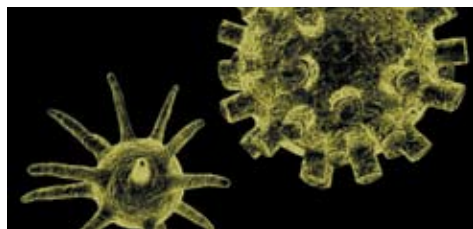
Dengue IgG and IgM Rapid Tests

Dengue IgG, Dengue IgM and Dengue IgG/IgM Rapid Tests are solid phase in vitro immunochromatographic tests for qualitative, and differential detection (with the "combo" (IgG/IgM)), of IgG and IgM antibodies to dengue virus serotype DEN – 1, 2, 3 and 4.

Dengue Rapid tests are intended for an initial screening test and reactive samples should be confirmed by a supplemental assay such as RT-PCR, IgM / IgG ELISA or HI (Hemagglutination inhibition) test.



Technical Information



Dengue IgG and IgM Rapid Tests

Product Features

- Samples used: Serum, plasma or whole blood
- 2 lines or 3 lines (combo)
- Fast : Results in 15 to 20 minutes
- Shelf life : 24 months
- No cross reactivity with other mosquito-borne diseases
- Good correlation with Haemagglutination - Inhibition (HI) test

Tests available;

1. Dengue IgG
2. Dengue IgM
3. Dengue IgG/IgM Combo

Malaria/Pregnancy combo test also available – see Pregnancy Data Sheet for details

Malaria Antigen Test

Each test kit contains

- (a) Alcohol swab, (b) Blood Lancet, (c) Pipette, (d) Assay Buffer, (e) Rapid test cassette

There are 4 types of Human Malaria;

- P.Falciparum (P.F.)
- P.Vivax (P.V.)
- P.Ovale (P.O.)
- P.Malariae (P.M.)

There are 2 methods of detection;

(1) HRP-II (Histidine Rich Protein II) or HRP-2, to detect P.F.

(2) PLDH (Plasmodium Lactate Dehydrogenase), to detect (P.F./P.V.) or (P.F./P.V./P.O./P.M.).

HRP-2 is a more effective test than the PLDH for P.Falciparum.

There are 4 tests Available;

- (1) Malaria Ag PLDH
(2 lines – Control/positive)
- (2) Malaria Ag HRP-2
(2 lines – Control/positive)
- (3) Combo HRP-2/PLDH
(P.F. and other 3) - (3 lines – Control/P.F. positive/(P.V./P.O./P.M) positive)
- (4) Combo HRP-2/PLDH
(P.F. and P.V. only) - (3 lines – Control/P.F. positive/P.V. positive)

Storage : 1-30°C

Sensitivity/Specificity : 90% / 95%

Shelf life : 24 months

TB Rapid Test

Product Features

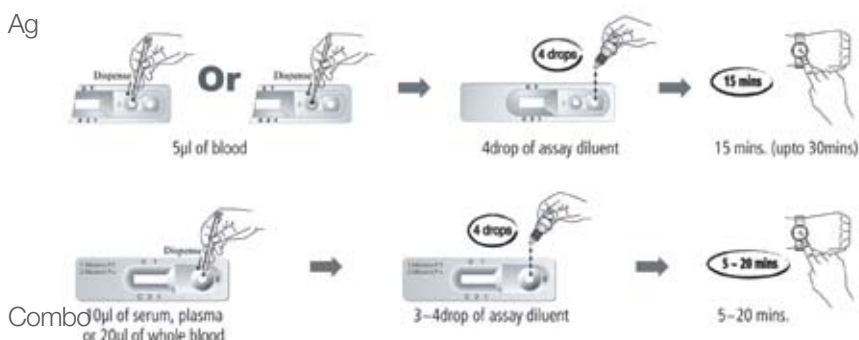
- **Accurate :** Sensitivity over 95%, Specificity over 85%
- **Simple :** Two step process
- **Stable:** Room temperature storage
- **Fast :** Results in 10 minutes
- **Shelf life :** 24 months

There are 2 detection tests;

(1) TB – Complete: a 2 line test for the simultaneous detection of IgG/IgM/IgA, i.e. all 3 antibodies

(2) TB – Combo: a 3 line test for the differential detection of only IgG and IgM

Test Procedure



Ordering Information

Cat. No.	Description	Sample	Format	Size	Shelf Life
MAL - 100-10	Malaria Ag PLDH	Whole Blood	Cassette	pk of 30	24 months
MAL - 100-12	Malaria Ag HRP-2	Whole Blood	Cassette	pk of 30	24 months
MAL - 100-14	Malaria Combo HRP-2/PLDH (P.f/PAN)	Whole Blood	Cassette	pk of 30	24 months
MAL - 100-16	Malaria Combo HRP-2/PLDH (P.f/P.v)	Whole Blood	Cassette	pk of 30	24 months
TB - 200-12	TB Complete	WB/S/P	Cassette	pk of 30	24 months
TB - 200-15	TB Combo	WB/S/P	Cassette	pk of 30	24 months
DF - 100-10	Dengue Fever IgG	WB/S/P	Cassette	pk of 30	24 months
DF - 100-11	Dengue Fever IgM	WB/S/P	Cassette	pk of 30	24 months
DF - 100-20	Dengue Fever IgG/IgM Combo	WB/S/P	Cassette	pk of 30	24 months

Telephone : 0044 (0)1625 434 300 Fax : 0044 (0)1625 869 777 E-mail : info@avonchem.co.uk

Avonchem Limited : Wellington House, Waterloo Street West, Macclesfield, Cheshire SK11 6PJ United Kingdom

HIV and Sexually Transmitted Diseases

Sexually transmitted diseases (STDs) are diseases passed on through intimate sexual contact. They can be transmitted during vaginal, anal and oral sex, as well as through genital contact with an infected partner. Common STDs include **HIV, Chlamydia, Syphilis and Gonorrhoea**.

HIV is the virus that causes AIDS and is passed from one person to another when infected blood, semen or vaginal secretions come into contact with an uninfected person's broken skin or mucous membrane. Chlamydia, Syphilis and Gonorrhoea are STDs caused by sexual contact particularly common among young people.

Avonchem Ltd has many years of valuable experience in the chemical and pharmaceutical industry, having grown consistently each year, now supplying over half of the UK schools with Laboratory chemicals. This success is mirrored in export sales with Avonchem Ltd supplying organisations all over the world, including UNICEF and WHO.

More recently, we have used our experience to develop a Diagnostic and Toiletries division supplying diagnostics to over 25 countries, including Ministries of Health in Saudi Arabia, Qatar and Kuwait.



HIV Rapid Test Screening Device – Anti HIV 1/2

What antibodies can be detected?

Able to detect all isotypes (IgM, IgG and IgA) and discriminate HIV-1 and HIV-2 test results clearly. Detects HIV-1 subtype O antibody.

Why is the HIV 1/2 test so efficient?

Patients with HIV-2 are found primarily in parts of West Africa. Differentiated test of HIV-1 and HIV2 from the screening stage, without further cost, can save your budget and give you higher efficiency of accurate diagnosis and proper management for the patient.

How can it differentiate between HIV-1 & HIV-2?

HIV-1 test line pre-coated gp41, p24 antigens specific to HIV-1 including subtype O and HIV-2 test line pre-coated gp36 specific to HIV-2.

What is the storage condition?

The HIV test can be stored at room temperature (1~30°C) and does not require refrigeration or electricity.

A Point of Care Test Kit is also available for remote areas with lack of testing facilities.

HIV + Pregnancy in a single test

(Whole Blood Sample)

2-in-1 Combo device for the diagnosis of HIV & pregnancy. Single sample gives two results.

Chlamydia Rapid Test Kits

Chlamydia trachomatis is a bacterium which causes a sexually transmitted infection (STI). Chlamydia is a very common disease, and must be taken seriously. Chlamydial infection in women can lead to potential fertility problems (PID, infertility, etc.), due to the inflammation of the fallopian tubes or cervix. The disease is particularly common among young people.

Syphilis

The Syphilis rapid test is a one step solid phase immunochromatographic assay for the qualitative detection of antibodies of all isotypes (IgG, IgM, IgA) against Treponema Pallidum (TP).

Gonorrhoea

As bacteria primarily found in purulent venereal discharges, Gonorrhoea is spread from person to person by contact with infected secretions, most often by sexual contact.



Technical Information

HIV Rapid Test Screening Device Anti HIV 1/2

- Immunochromatographic (double antigen sandwich) rapid test for the qualitative detection of all antibodies of all isotypes (IgG, IgM, IgA) specific to HIV-1 including subtype 0 and HIV-2 simultaneously, in human serum, plasma or whole blood.
- No instrument required
- **CE Marked** & USAID Approved
- Direct Sandwich method (Ag-Ab-Ag)
- Highly sensitive to IgM at early infectious stage
- Clear differentiation of test result by HIV-1 and HIV-2 (3 Line Test)
- Sensitivity: 99.0%
- Specificity: 99.8%
- Shelf life of 24 months
- Fast test results in 10-15 minutes
- Available in either cassette or strip

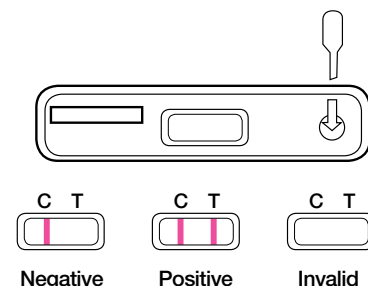


HIV + Pregnancy in a single test (Whole Blood Sample)

- 2-in-1 kit for the diagnosis of HIV & pregnancy
- Highly sensitive
- One sample gives two results
- Higher than 99% of sensitivity for HIV
- 20 mIU/ml for hCG
- Results in 10 minutes.
- Shelf life: 24 months

Chlamydia

- **CE Marked**
- Specimen: endocervical swab, cytology brush
- Materials Provided:
 - Reagent A (Extraction solution)
 - Reagent B (Neutralization solution)
 - Sterile swabs and transport tube
 - Disposable dropper
 - Chlamydia trachomatis antigen test
- Ready to use reagent
- Sensitivity/Specificity: 89% / 97%
- Results in 15 minutes
- Shelf life: 18 months



Syphilis

- Specimen : Serum, Plasma, Whole Blood
- The optimal choice for mass screening program
- Room temperature storage
- **CE Marked**
- Sensitivity/Specificity: 90% / 95%
- Results in 15 minutes
- Shelf Life: 18 months

RPR Carbon Antigen test for the quantitative detection of Syphilis is also available

Gonorrhoea

- Assay can be easily performed and interpreted by all staff
- Reliable: highly sensitive assay with built-in control ensures accuracy
- Room Temperature Storage
- Sensitivity/Specificity: 94% / 96%
- Results in 15 minutes
- Shelf life: 18 months

Ordering Information

Cat. No.	Description	Sample	Format	Size	Shelf Life
HIV - 100-10	HIV 1/2 Test	Whole Blood	Strip	pk of 25	24 months
HIV - 100-12	HIV 1/2 Test	Whole Blood	Cassette	pk of 25	24 months
HIV - 100-14	HIV 1/2 POCT	Whole Blood	POCT	pk of 30	24 months
HIP - 100-10	HIV / Pregnancy Combo Device	Whole Blood	Cassette	pk of 30	24 months
CHL - 1100	Chlamydia AG Rapid Test	Endocervical Swab	Cassette	pk of 30	18 months
SYP - 100-10	Syphilis Qualitative Rapid Test	Whole Blood	Cassette	pk of 30	18 months
SYP - 200-10	Syphilis Quantitative RPR Carbon Antigen	Whole Blood	Cards	pk of 500	18 months
GON - 100-10	Gonorrhoea Rapid Test	Swab / Urine	Cassette	pk of 30	18 months

Telephone : 0044 (0)1625 434 300 **Fax :** 0044 (0)1625 869 777 **E-mail :** info@avonchem.co.uk

Avonchem Limited : Wellington House, Waterloo Street West, Macclesfield, Cheshire SK11 6PJ United Kingdom

Pregnancy Test Kits

The **Be Sure™** rapid hCG Pregnancy Tests are designed for the qualitative determination of elevated human chorionic gonadotropin (hCG) in urine, as an aid for the early detection of pregnancy. Sensitive to 25 mIU/ml, the result can be read visually in less than 3 minutes. This sensitivity level lowers the risk of false positive results, as very low sensitivity tests can detect normal levels of hCG in non pregnant women.

How does it work?

The **Be Sure™** Pregnancy Test is a qualitative, solid phase, two-site sandwich immunoassay for the detection of hCG in urine.

The membrane is pre-coated with anti-hCG antibodies on the test band region and anti-mouse antibodies on the control band region. The mixture then migrates upward on the membrane chromatographically by capillary action to react with anti-hCG antibodies on the membrane and generate a red band.

Presence of the red band indicates a positive result, while its absence indicates a negative result. The same technology is used with the strips and cassettes.

Avonchem Ltd has many years of valuable experience in the chemical and pharmaceutical industry, having grown consistently each year, now supplying over half of the UK schools with Laboratory chemicals. This success is mirrored in export sales with Avonchem Ltd supplying organisations all over the world, including UNICEF and WHO.

More recently, we have used our experience to develop a Diagnostic and Toiletries division supplying diagnostics to over 25 countries, including Ministries of Health in Saudi Arabia, Qatar and Kuwait.



Malaria + Pregnancy in a single test

(Whole Blood Sample)

Rapid combination test for the detection of all Malaria parasites and hCG in human blood samples. Test detects all 4 types of human malaria: *P. falciparum*, *P. vivax*, *P. ovale*, *P. malariae*.

This test combines essential testing for malaria with the detection of pregnancy to assist in avoiding and caring for the transmission of malaria from mother to child.

The effects of malaria in pregnancy can be devastating leading to both maternal and infant mortality/morbidity as well as causing long term health problems in a child because of low birthweights and anaemia.

HIV + Pregnancy in a single test

(Whole Blood Sample)

Rapid combination test for the detection of HIV 1/2 and hCG in human blood samples. High detection levels ensure fast and reliable results.

This test combines essential testing for HIV with the detection of pregnancy to assist and protect both mother and infant from the effects of HIV in pregnancy. This easy to use test can prepare both mother and doctor for the effects of pregnancy on an HIV patient.

HIV can lead to numerous health problems at birth and this test can allow medical preparations to be made. It will also assist in diagnosing HIV in pregnant women unaware of their HIV infection.

Technical Information

Pregnancy Test Kits

(Urine Sample)

- Over 99% accurate from missed menses date – use any time of day
- 25mIU/ml sensitivity cut-off, the optimum sensitivity point for early detection, 7-10 days after conception
- CE marked
- Product insert available in French, German, Italian, and Arabic
- Results in 1-3 minutes
- Midstream, cassette, strip formats
- Shelf life of 24 months

Malaria / Pregnancy

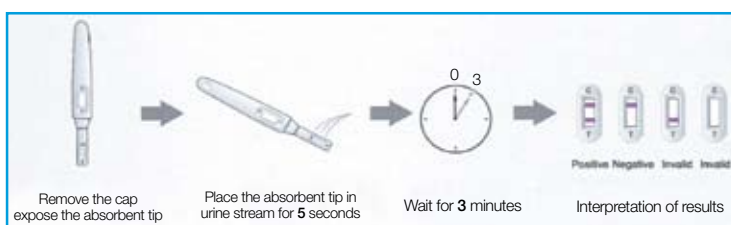
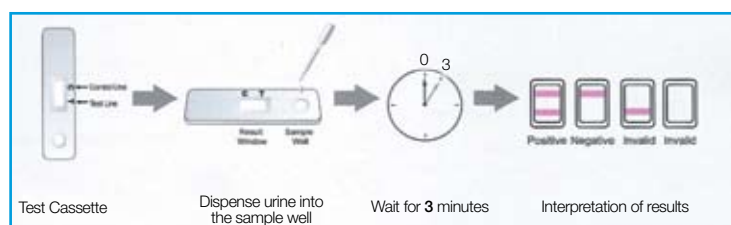
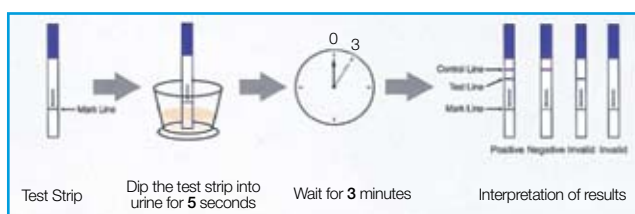
(Whole Blood Sample)

- 2-in-1 Combo device for the diagnosis of malaria & pregnancy
- Single sample gives two results
- Highly sensitive, 20mIU/ml for hCG
- 50 parasites/ml for Malaria parasites
- Malaria variants available are:(1) P.F., (2) PAN/HCG, and (3) P.F./PAN/HCH
- 3 line device (Control, Malaria, hCG)
- Results in 10 minutes
- Single/multi kits available
- Shelf life of 24 months

HIV / Pregnancy

(Whole Blood Sample)

- 2-in-1 Combo device for the diagnosis of HIV & pregnancy
- Single sample gives two results
- Highly sensitive, 20 mIU/ml for hCG
- Higher than 99% of sensitivity for HIV
- 3 line device (Control, HIV, hCG)
- Results in 10 minutes
- Single/multi kits available
- Shelf life of 24 months



Ordering Information

Cat. No.	Description	Sample	Format	Size	Shelf Life
FT - 100-11	hCG Pregnancy	Urine	Strip 3.00mm	pk of 25	24 months
FT - 100-13	hCG Pregnancy	Urine	Cassette	pk of 10	24 months
FT - 100-15	hCG Pregnancy	Urine	Midstream	Single	24 months
FT - 100-17	Be Sure™ - hCG Pregnancy - OTC	Urine	Midstream	Single	24 months
MP - 100-10	Malaria/Pregnancy Combo Device (P.f/hCG)	Whole Blood	Cassette	pk of 30	24 months
MP - 100-12	Malaria/Pregnancy Combo Device (PAN/hCG)	Whole Blood	Cassette	pk of 30	24 months
MP - 100-14	Malaria/Pregnancy Combo Device (P.f/PAN/hCG)	Whole Blood	Cassette	pk of 30	24 months
HIP - 100-10	HIV/Pregnancy Combo Device	Whole Blood	Cassette	pk of 30	24 months

Telephone : 0044 (0)1625 434 300 Fax : 0044 (0)1625 869 777 E-mail : info@avonchem.co.uk

Avonchem Limited : Wellington House, Waterloo Street West, Macclesfield, Cheshire SK11 6PJ United Kingdom