

A wide range of
DISTINCT GYNAECOLOGY
Panels



Prioritising WOMEN'S HEALTH AND WELL-BEING

Thyroid Panel

Thyroid is a small endocrine gland that is responsible for the growth and development of the human body. The components of the thyroid panel are:



Total T3 (Triiodothyronine) and T4 (Thyroxine):

Regulate metabolism, internal temperature, weight, energy levels and more.



Thyroid Stimulating Hormone (TSH):

The pituitary gland produces TSH, which stimulates the production of thyroid hormones.



Antithyroid Antibody/Anti-TPO:

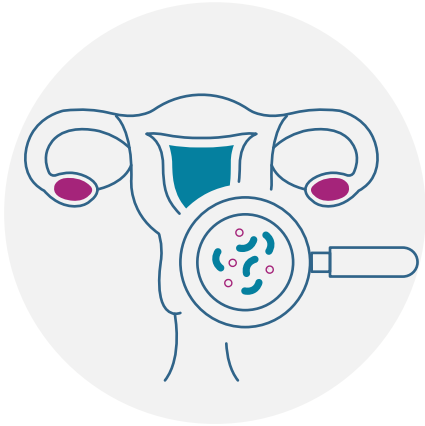
Indicates autoimmune thyroid disorders (like Hashimoto's and Graves' disease)

Panel Highlights

- Helps to assess the thyroid gland's functionality.
- Helps to diagnose and monitor thyroid disorders like hyperthyroidism, hypothyroidism and infertility issues.

Test Code	Test Name	Specimen	TAT
Thyroid 001	Thyroid panel (Total T3/Total T4/TSH), GRP	2ml Serum in SST/ Red top (No additive) tube	Daily by 6 PM, Report same day
Thyroid 002	Thyroid function (Free T3/ Free T4/ TSH), GRP		
Thyroid 003	Thyroid Advanced Panel (Total T3, Total T4, Free T3, Free T4, TSH, Anti TPO, Anti Tg)		

CA 125, Serum (C0005)



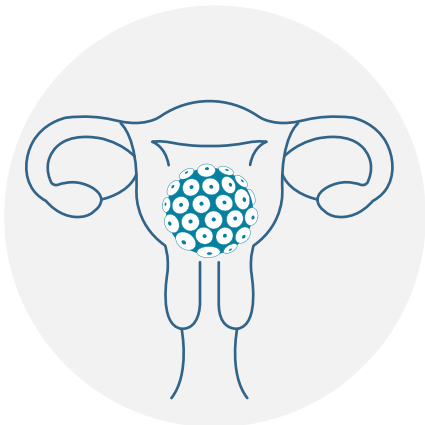
CA 125 (Cancer Antigen 125) is an antigenic tumour marker frequently expressed by endometrial, fallopian tube, pleural, peritoneal, and pericardial cells as well as epithelial ovarian neoplasms and other tissues.

Panel Highlights

- Helps monitor cancer treatment and predict recurrence of ovarian cancer.
- Is a useful tumour marker for evaluating therapy and monitoring disease status in patients under treatment for ovarian cancer.
- Elevated serum CA 125 levels can also be seen in non-ovarian malignancies including cervical, liver, pancreatic, lung, colon, stomach, biliary tract, uterine, fallopian tube, breast, and endometrial carcinomas.

Test Code	Test Name	Specimen	TAT
C0005	CA 125, Serum	2ml serum in SST/ Red top (no additive) tube	Daily by 6 PM, Report same day

HPV High Risk Genotype by PCR, Cervical/vaginal smear (H0017)



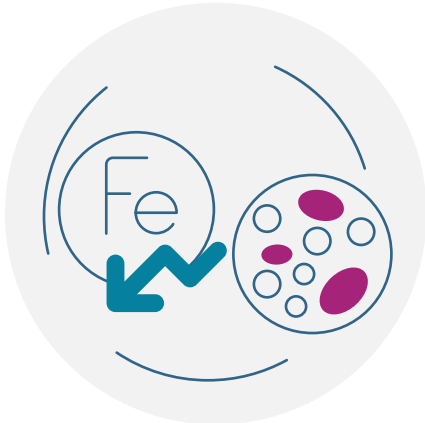
Panel Highlights

- Highly specific assay, useful for detection of high-risk (HR) HPV associated with development of cervical cancer.
- Provides clinicians with indications of single or multiple HPV genotype- specific infection in patients.
- Reports 24 genotypes as 'high risk' genotypes compared to other commercially available kits detecting only 14 genotypes as high risk.
- Also gives simultaneous detection of major high risk genotypes such as HPV 16, 18 and 45
- WHO approved test.

Test Code	Test Name	Specimen	TAT
H0017	HPV High risk genotype by PCR, Cervical/ vaginal smear	14ml cervical/ vaginal swab	Sample by 9 PM, Report within 24hrs
L0003	LBC PAP Smear, Cervical/ vaginal swab		Sample by 9 PM, Report within 2 days

Iron Deficiency Profile (Anemia 001)

Iron is an important element as it prevents anaemia, boosts immunity, improves Hb levels, bone marrow production, and organ function.



Panel Highlights

- Measures the amount of iron in the blood in case of anaemia, hemoglobinopathies and infections.
- The TIBC test is a good indirect measurement of transferrin availability (the amount of transferrin that is available to bind with iron).
- Measures the level of iron in the blood and the body's ability to transport iron. This helps diagnose chronic iron overload or deficiency.

Test Code	Test Name	Specimen	TAT
Anemia 001	Iron deficiency profile (parameters covered: Iron Serum, Total Iron Binding Capacity (TIBC), Serum Transferrin Saturation)	2ml serum in SST/ Red top (no additive) tube	Daily by 6 PM, Report same day

Vitamin B12 (V0004a) & Vitamin D (V0004c)

Vitamin D is required for strong bones and teeth. It also aids in the normal functioning of you muscles, nerves, and immune system. Low levels are a common problem that leads to bone disorders and other medical issues.



Whereas, vitamin B12 functions to maintain normal metabolism, produce blood cells, regulate the nervous system, decrease bad cholesterol, and more, its deficiency can lead to anaemia in women. A Vitamin B12 and Vitamin-D test can help identify if the patient needs to supplement their vitamin levels.

Panel Highlights

- Assists in determining vitamin D and vitamin B12 levels, as well as any associated deficiency.
- Helps detect common lifestyle disorders due to Vit D and Vit B12 deficiency.

Test Code	Test Name	Specimen	TAT
V0004a	Vitamin B12, Serum	2ml serum in SST/ Red top (no additive) tube	Daily by 6 PM, Report same day
V0004c	Vitamin D - 25-Hydroxy, Serum		



Helping WOMEN UNDERSTAND THEIR REPRODUCTIVE HEALTH

LH, FSH, Prolactin (REPRO002)

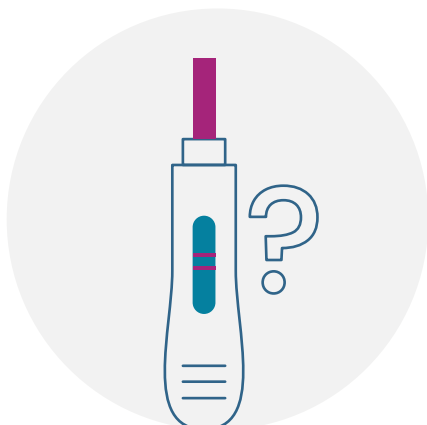
A basic panel for Infertility Screening

Women's reproductive health can be checked via testing the levels of 3 major hormones, which are:

Prolactin - Regulates women's lactation, menstrual cycle and immune system. Also, it is responsible for overall reproductive health.

Luteinizing Hormone (LH) - Triggers the creation of steroid hormones from the ovaries. Also, it helps to regulate the length and order of the menstrual cycle by playing roles in both ovulation and implantation of an egg in the uterus.

Follicle Stimulating Hormone - FSH stimulates the growth of immature ovarian follicles in the ovary and helps control ovulation. FSH is considered a useful indicator of ovarian reserve in women.



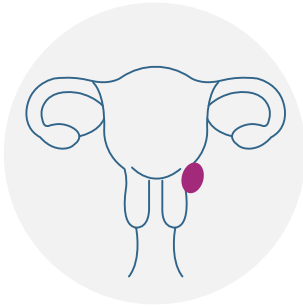
Panel Highlights

- To check for ovulation when investigating the chances of infertility.
- To gain insights into early menopause (premature ovarian insufficiency), ovarian reserve and the effectiveness of IVF treatments/fertility drugs on the woman's body.
- To evaluate pituitary gland function, which regulates the hormones that control the reproductive system.
- To diagnose an ectopic or failing pregnancy or in case of abnormal uterine bleeding.

PCOD Panel

A thorough PCOD screening panel

The PCOD Screening panel evaluates the hormonal levels in the body to help diagnose a condition known as PCOD (Polycystic Ovarian Disease).



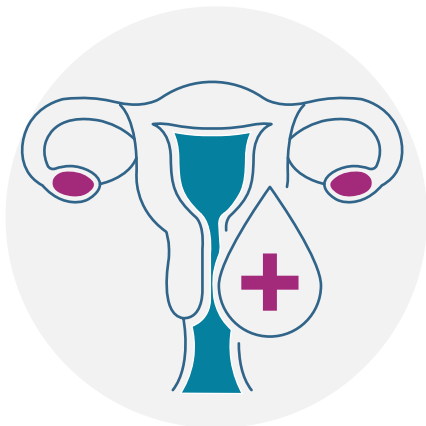
Panel Highlights

- Useful in assessing a woman's reproductive health.
- An important diagnostic and monitoring tool for common health conditions.
- A highly sensitive and accurate testing solution.

DICE Panel By RT-PCR (STD005)

A comprehensive panel for detection of infectious chronic endometritis (DICE)

This panel provides a better understanding with a consistent diagnostic approach using the RT-PCR process which leads to early and individualised detection of 9 primary pathogens involved in endometrial infection.



Panel Highlights

- First RT PCR method to detect 9 primary pathogens linked to Chronic Endometritis.
- Detects pathogens that are difficult to culture and need complex cell culture techniques.
- High sensitivity (95%) and specificity (98.5%).
- Offers accurate identification of culturable and non-culturable endometrial pathogens.
- Compatible for frozen or fixed samples.
- Comparable results to bacterial culture with TAT of 24 hrs.

Pathogens Covered

Neisseria gonorrhoeae, Chlamydia trachomatis, Enterococcus faecalis, Escherichia coli, Streptococcus agalactiae (group B), Staphylococcus aureus, Mycoplasma genitalium, Ureaplasma urealyticum, Mycoplasma hominis, Mycobacterium tuberculosis, Non-tuberculosis Mycobacterium

To Predict The Precise Timing Of Embryo Transfer During The IVF Process



— Launches —

ERScope

The Next Generation RNA Sequencing and AI-Based Endometrial Receptivity Test

Test Ordering Information

Test Code	Test Name	Method	Specimen	TAT
PCOD001	PCOD -Extended (Components: FSH, LH, Prolactin, Testosterone Total, Insulin fasting, Glucose fasting, 17-OH-Progesterone, HbA1c, Thyroid profile, Lipid Profile, AMH, DHEA-S, HOMA-IR)	CLIA,ELISA,HPLC, Photometry	3ml serum in SST/ Red Top (No additive) tube. Plasma in fluoride tube	Daily by 9 PM, Report within 24hrs
PCOS001	PCOD -Panel (Components: FSH, Serum; LH, Serum; Prolactin, Serum; Testosterone Total, Serum; Insulin (Fasting), Serum; Sugar (Fasting, Blood), Plasma; Progesterone-17-OH (Hydroxy), Serum; HbA1c, EDTA Blood)		2ml whole blood EDTA in K2 EDTA (lavendar top) tube. Plasma in fluoride tube	
PCOS+ Panel	Polycystic Ovary Syndrome (PCOS PLUS PANEL) (Components: AMH, Serum; FSH, Serum; Testosterone Free, Serum; HbA1c, EDTA Blood; Insulin (Fasting), Serum; Lipid Profile; Luteinizing Hormone (LH), Serum; Prolactin, Serum; TSH, Serum)		3ml whole blood EDTA in K2 EDTA (lavendar top) tube. Plasma in fluoride tube	
Repro002	FSH,LH & Prolactin Panel	CLIA	1ml serum in SST/ Red Top (No additive) tube (To be collected on 3rd day of menstrual cycle)	Daily by 9 PM, Report same day
STD005	Detection of Infectious Chronic Endometritis (DICE) Panel (Pathogens Covered: <i>Neisseria gonorrhoeae</i> , <i>Chlamydia trachomatis</i> , <i>Enterococcus faecalis</i> , <i>Streptococcus agalactiae</i> (Group B), <i>Staphylococcus aureus</i> , <i>Escherichia coli</i> , <i>Mycoplasma genitalium</i> , <i>Ureaplasma urealyticum</i> , <i>Mycoplasma hominis</i> by RTPCR))	RT- PCR	Endometrial tissue only in a sterile container	Daily by 6 PM; Report by next day
DICETBPNL	DICE-TB PCR Plus panel (Qualitative) by Real Time PCR (Pathogens Covered: <i>Neisseria gonorrhoeae</i> , <i>Chlamydia trachomatis</i> , <i>Enterococcus faecalis</i> , <i>Streptococcus agalactiae</i> (Group B), <i>Staphylococcus aureus</i> , <i>Escherichia coli</i> , <i>Mycoplasma genitalium</i> , <i>Ureaplasma urealyticum</i> , <i>Mycoplasma hominis</i> , <i>Mycobacterium tuberculosis</i> and <i>Non-tuberculosis mycobacterium</i> by RTPCR)			
DICEXPTBPNL	DICE-TB Xpert Plus panel (Qualitative) by Real Time PCR (Pathogens Covered: <i>Neisseria gonorrhoeae</i> , <i>Chlamydia trachomatis</i> , <i>Enterococcus faecalis</i> , <i>Streptococcus agalactiae</i> (Group B), <i>Staphylococcus aureus</i> , <i>Escherichia coli</i> , <i>Mycoplasma genitalium</i> , <i>Ureaplasma urealyticum</i> , <i>Mycoplasma hominis</i> , <i>Gene Xpert- Mycobacterium tuberculosis-Rifampicin</i> (MTB/RIF) Assay)			





Proactive Approach to **WOMEN'S SEXUAL HEALTH**

STD (Sexually Transmitted Disease) Panels

STDs are transmitted through sexual contact, shared needles, or blood. These conditions are often asymptomatic. However, they can cause PID, infertility and pregnancy complications if left untreated for a long time. Our clinic offers 5 standardised diagnostic packages for efficient, rapid and reliable detection of STDs.



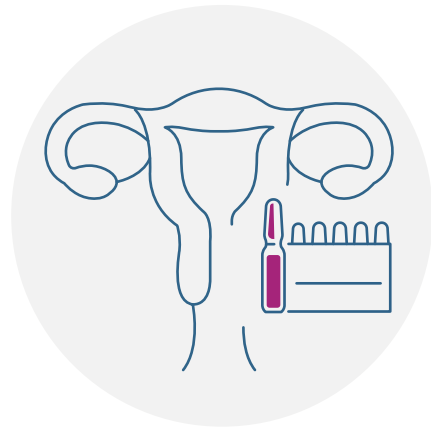
These STD packages are designed to facilitate a definitive physician assessment based on the available clinical evidence, in a customised case-to-case scenario.

STD Basic Panel (STD004)

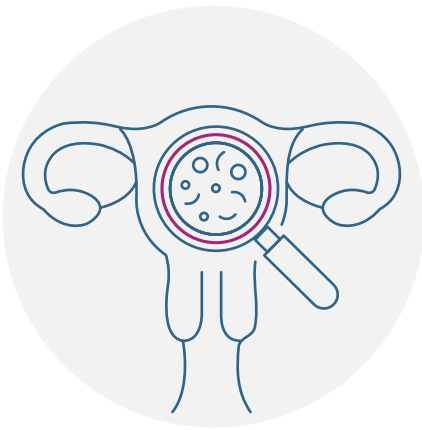
- Detects 2 major bacterial pathogens associated with STDs - *Chlamydia trachomatis* and *Neisseria gonorrhoeae*.
- Faster and more reliable detection than other culture techniques.
- Both men and women can be tested.
- Recommended by WHO.

Pathogens Covered

Chlamydia trachomatis, *Neisseria gonorrhoeae*



STD Serological Panel (STD001)



- The “Gold” standard for assessing infection status.
- Targets most common bacterial and viral pathogens linked with STDs (Hepatitis B, Hepatitis C, HIV & Syphilis).
- Serological assays offer insight into the past or recent clinical history of infections among highly suspected individuals or those at high risk.
- Both partners can be tested to know the causative agent of the infection.

Pathogens Covered

Hepatitis B Ab, *Hepatitis C Ab*, *HIV*, *Syphilis*

STD Molecular Panel (STD002)

- Targets multiple causative agents simultaneously within a short span of time.
- Clinically reliable and accurate .
- Highly sensitive and specific for pathogen detection.
- More advantageous over other conventional culture methods.
- Approved by CDC.
- Both partners can be tested to know the causative agent of the infection.

Pathogens Covered

Chlamydia trachomatis, *Neisseria gonorrhoeae*, *Herpes simplex virus (HSV 1&2)*, *Human papillomavirus (HPV)*, *Mycoplasma genitalium* & *Trichomonas vaginalis*



STD Custom Panel (STDCUSTOM02)

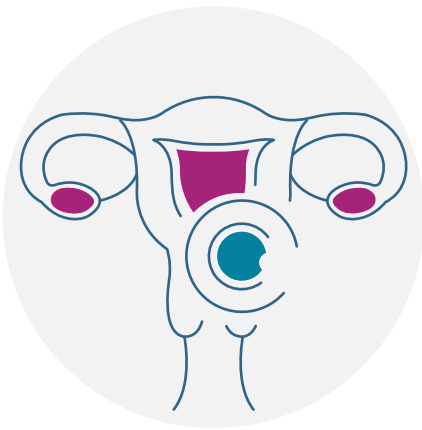
- Customized panel to serve the needs of the doctors based on existing clinical evidence.
- Additional tests can be either added or deleted from this panel, thus giving the flexibility to choose only preferred testing options.
- Beneficial for high-risk individuals and patients already undergoing treatment.

Pathogens Covered

Neisseria Gonorrhoeae, Chlamydia trachomatis IgG Antibody, Chlamydia trachomatis IgM Antibody, Herpes Simplex- HSV IgG, Herpes Simplex - HSV IgM, Herpes Simplex- HSV II IgG, Herpes Simplex - HSV II IgM, VDRL, Treponema pallidum Hemagglutination Assay, HIV I & II, Antigen & Antibody, Hepatitis B - HBsAg (Surface Antigen)



STD Comprehensive Panel (STD003)



- Extensive & specialized panel combining several diagnostic methods, such as PCR, serological assays & microscopic investigations.
- Covers a broad range of pathogens (bacterial, viral and parasites) commonly linked with STDs.
- Clinically accurate and dependable results.
- Focusses on target-specific therapeutic options.

Pathogens Covered

Chlamydia trachomatis, Neisseria gonorrhoeae, Herpes simplex virus (HSV 1&2), Human papillomavirus (HPV), Mycoplasma genitalium, Trichomonas vaginalis, Hepatitis B Ab, Hepatitis C Ab, HIV & Syphilis & Yeast

Pelvic Inflammatory Disease (PID) Panel By RT-PCR (STD006)

Pelvic inflammatory disease is an inflammation of the upper genital tract (affects cervix, vagina, uterus, fallopian tubes & ovaries) due to sexually transmitted infections (STI).

- The Gold standard for detecting major pathogens causing PID prompt, definitive & accurate diagnosis.
- Highly sensitive and specific.
- Approved method by WHO & CDC to guide the appropriate treatment regimen in patients.

Pathogens Covered

Neisseria gonorrhoeae, Chlamydia trachomatis, Mycoplasma genitalium, Trichomonas vaginalis



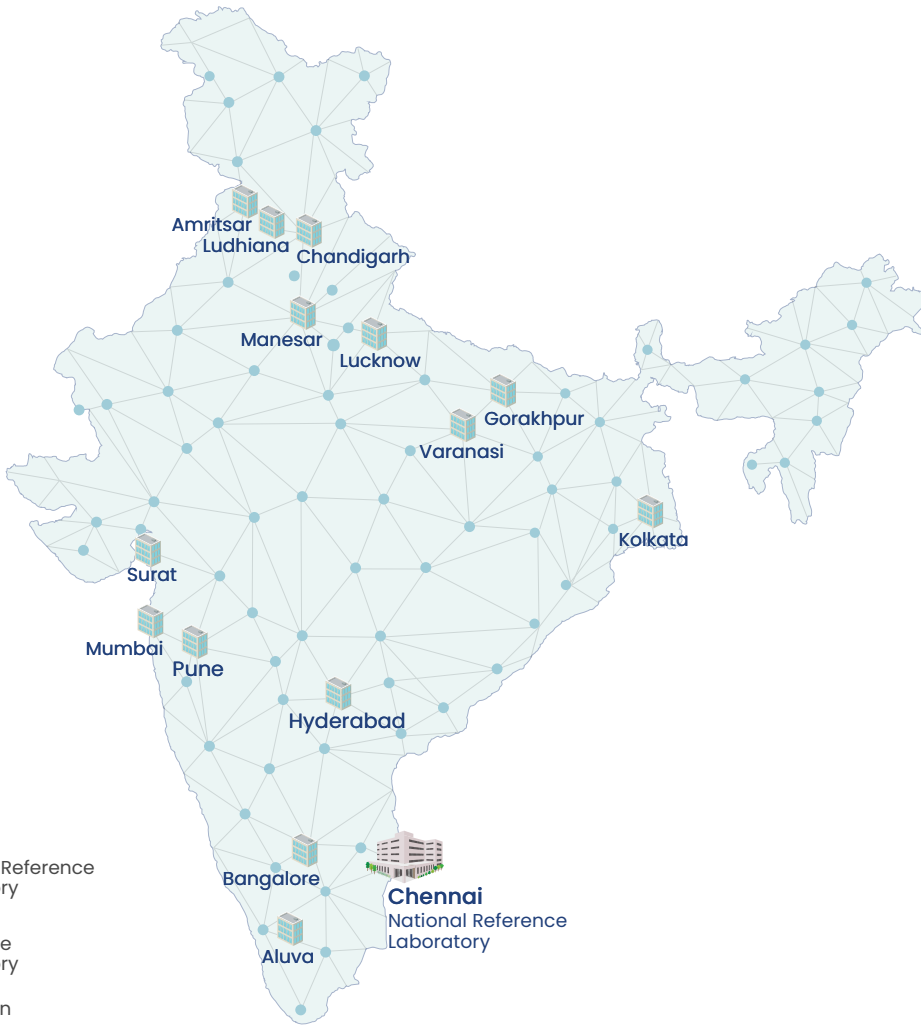
Test Ordering Information

Test Code	Test Name	Method	Specimen	TAT
STD004	STD Basic Panel (Pathogens covered: <i>Chlamydia</i> (PCR), <i>Neisseria gonorrhoeae</i> (PCR))	RT PCR	Male- Urine or Genital swab, Female- Vaginal swab in a sterile container	Daily by 6 PM; Report by next day
STD001	STD Serological panel <i>Hepatitis B</i> Ab (CMIA) <i>Hepatitis C</i> Ab (ELISA) HIV (CMIA) <i>Syphilis</i> (CMIA)	ELISA, CMIA	Serum in SST/Red top (No additive) tube	Daily by 6pm; Report within 48hrs
STD002	STD Molecular Panel (Pathogens Covered: <i>Chlamydia</i> (PCR), <i>Neisseria gonorrhoeae</i> (PCR), HSV-1 / 2 (PCR), HPV (PCR), <i>Mycoplasma genitalium</i> (PCR), <i>Trichomonas vaginalis</i> (PCR))	RT PCR		
STD003	STD Comprehensive Panel (Pathogens Covered: <i>Chlamydia</i> (PCR), <i>Neisseria gonorrhoeae</i> (PCR), <i>Hepatitis C</i> Ab (ELISA), HIV (CMIA), <i>Syphilis</i> (CMIA), HSV-1 / 2 (PCR), HPV (PCR), <i>Hepatitis B</i> Ab (CMIA), <i>Mycoplasma genitalium</i> (PCR), Yeast (Microscopy), <i>Trichomonas vaginalis</i> (PCR))	RT PCR, Microscopy, ELISA, CMIA		
STDCUSTOM01	STD Custom Panel (Pathogens Covered: <i>Chlamydia</i> (PCR), <i>Gardnerella vaginalis</i> (PCR), <i>Neisseria gonorrhoeae</i> (PCR), HPV (PCR), HSV-1 / 2 (PCR), <i>Mycoplasma genitalium</i> (PCR), <i>Trichomonas vaginalis</i> (PCR), <i>Ureaplasma urealyticum</i> (PCR), <i>Treponema pallidum</i> (Syphilis) (PCR))	RT-PCR	Male- Urine & Serum, Female- Vaginal swab & Serum. Serum in SST/Red top (No additive) tube	
STDCUSTOM02	STD Custom Panel 2 (Pathogens Covered: <i>Neisseria Gonorrhoeae</i> (PCR), <i>Chlamydia trachomatis</i> IgG Antibody (ELISA), <i>Chlamydia trachomatis</i> IgM Antibody (ELISA), <i>Herpes Simplex- HSV IgG</i> (ELISA), <i>Herpes Simplex - HSV IgM</i> (ELISA), <i>Herpes Simplex- HSV II IgG</i> (ELISA), <i>Herpes Simplex - HSV II IgM</i> (ELISA), VDRL (CMIA), <i>Treponema pallidum</i> Hemagglutination Assay (TPHA Method), HIV I & II, Antigen & Antibody (CMIA), <i>Hepatitis B - HBsAg</i> (Surface Antigen) (CMIA))	RT PCR, ELISA, CMIA		
STD006	Pelvic Inflammatory Disease (PID) Panel (Pathogens Covered: <i>Neisseria gonorrhoeae</i> , <i>Chlamydia trachomatis</i> , <i>Mycoplasma genitalium</i> , <i>Trichomonas vaginalis</i> by RTPCR)	RT PCR		



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