



BIOTECH CONSORTIUM INDIA LIMITED

DOT BLOT ASSAY KIT FOR DIAGNOSIS OF CHLAMYDIA INFECTION USING CHLAMYDIAL HEAT SHOCK PROTEIN 60 (CHSP60)

TECHNOLOGY AVAILABLE FOR TRANSFER

TECHNOLOGY

The technology offers a novel oligonucleotide primer set for amplification and cloning of chlamydial heat shock protein 60 (cHSP60) gene. The cHSP60 protein expressed has been used to develop a dot blot assay kit for detection of IgG antibodies to cHSP60.

The dot Blot assay has been developed at the National Institute of Pathology, New Delhi, India

APPLICATIONS

- ◇ Dot Blot Assay
- ◇ PCR based Diagnostic Assays.
- ◇ Diagnosis of other diseases like pelvic inflammatory disease (PID), adverse outcome of pregnancy, ectopic pregnancy (EP), tubal factor infertility (TFI), in vitro fertilization (IVF) failure and reactive arthritis
- ◇ Research on Chlamydia Infection.

PATENT STATUS

Patent Granted: 257363

COMPETITIVE ADVANTAGES

- ◇ Primers are stable and non-degrading
- ◇ The primers can amplify as low as 10 ng of template DNA.
- ◇ No formation of primer dimers leading to no or inaccurate results
- ◇ Assay is Rapid with high sensitivity and specificity
- ◇ Does not require viable organisms in samples
- ◇ Direct assessment with conjugated monoclonal antibodies

STATE OF DEVELOPMENT

The oligonucleotide primer set has been developed on a lab scale and has been successfully tested and validated.

Sample Dot Blot Assay Kits are ready for 3rd party validation.

LICENSING OPPORTUNITY

The technology is available for license and BCIL is actively seeking partners for the licensing and commercial development of the technology.

CONTACT:

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