

Y Chromosome microdeletion - PCR

General:

This test gives a chance to examine the Y chromosomal microdeletions which have been described as the cause of male infertility. The study of genetic triggers can provide critical information about fertility problems and the tailored treatment plans that can result from it are of particular value to patients.

Azoospermia Factor (AZF) region affecting sperm production of Y chromosome. There are 15 sequence tagged sites (STS) detected, including 6 STSs recommended by European Academy of Andrology (EAA), and European Molecular Genetics Quality Network (EMQN), which are AZFa region (sY84, sY86), AZFb region (sY127,sY134) and AZFc region (sY254,sY255) and must be detected ;and 8 STSs which are AZFa region (sY82,sY1064,sY1065,sY88) AZFb region (sY105,sY121,sY1192,sY153), to determine if the entire fragment is completely missing; as well as heterochromosome tags sY160.

Indication: Infertility

Material: 2-3 ml of whole blood of EDTA tube

TAT: 5-7 days, FML

Method: Multiplex PCR

Note: **A Consent form needs to be signed!!!**

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>