سامية محمد مصطفى

شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

سامية محمد مصطفى

شبكة المعلومات الجامعية

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التوثيق الالكتروني والميكروفيلم

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سامية محمد مصطفى

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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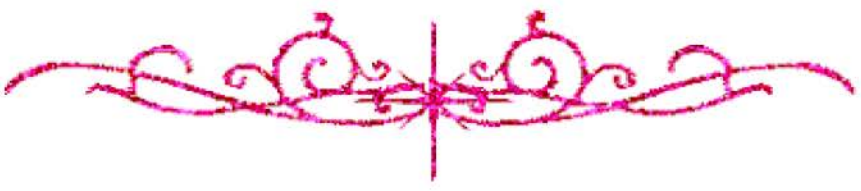

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بالرسالة صفحات لم ترد بالأصل

Menoufiya University
Faculty of Medicine

STUDY OF THE ROLE OF POLYMERASE CHAIN REACTION "PCR" IN DIAGNOSIS OF BOTH PULMONARY AND PLEURAL TUBERCULOSIS

Thesis
Submitted for Partial Fulfillment of Master Degree
in Chest Diseases and Tuberculosis
By

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List of Abbreviations

A	Adenine.
ADA	Adenosine deaminase.
AFB	Acid fast bacilli.
AIDS	Acquired immune deficiency syndrome.
AmpErase LD	Low DNA Uracil-N-Glycosylase.
ATP	Adenosine triphosphate.
ATS	American Thoracic Society.
AV-HRP	Avidin-Hoseradish Peroxidase Conjugate.
BAL	Broncho-Alveolar lavage.
BCG	Bacillus Calmette- Guerin.
Bp	Base pair.
C	Cytosine.
cDNA	Complimentary DNA.
CO_2	Carbon dioxide.
CSF	Cerebro- spinal fluid.
CT	Computerized Tomography.
CXR	Chest X-ray.
dATPs	Deoxy riboAdenosine triphosphates.
dCTPs	Deoxy riboCytosine triphosphates.
dGTPs	Deoxy riboGuanosine triphosphates.
DM	Diabetes mellitus.
DN	Denaturation Solution.
DNA	Deoxyribo nucleic acid.
dNTPs	Deoxy ribonucleoside triphosphates.
dTTPs	Deoxy riboThymidine triphosphates.
dUTPs	Deoxy riboUridine triphosphates.
EATT	Empiric anti-TB treatment.
ELISA	Enzyme linked immuno sorbant assay.
ESR	Erythrocyte sedmintation rate.
G	Guanine.

HCL	Hydrochloric Acid.
HIV	Human immuno- deficiency virus.
HLA	Human leukocyte antigen.
HPLC	High-performance liquid chromatography.
IS	Insertion sequence.
Kb	Kilobase.
KCL	Potassium chloride.
Kda	Kilodalton.
KH_2PO_4	Monopotassium Phosphate.
L.J.	Lowenstein-Jensen culture.
LCR	Ligase chain reaction.
M.	Mycobacterium.
M.P.T	Multiple puncture technique.
M.TB	Mycobacterium tuberculosis.
M.TBC	Mycobacterium tuberculosis complex.
M.TB MWP	Mycobacterium tuberculosis microwell plate.
MAC	Mycobacterium avium complex.
Mg	Magnesium.
$Mgcl_2$	Magnesium chloride.
$MgSo_4$	Magnesium Sulphate.
ml	Milliter.
Mn	Manganese.
MOTT	Mycobacteria other than M.TB
mRNA	Messenger RNA.
MW	Molecular weight.
MYCO (-) C	Mycobacterium (-) Control.
MYCO (+) C	Mycobacterium (+) Control.
MYCO HYB	Mycobacterium Hybridization Buffer.
MYCO MMX	Mycobacterium Master Mix.
Na_2HPO_4	Di Sodium Phsphate.
NaCl	Sodium chloride.
NALC	N-acetyl-L- cysteine.
NALC-NaOH	N-acetyl-L- cysteine Sodium Hydroxide.

NaOH	Sodium hydroxide.
NAP	P-Nitro-o acetylamino- B-hydroxpropiophene.
nm	Nanometer.
NPV	Negative Predictive Value.
NTM	Non-tuberculous mycobacteria.
OT	Old Tuberculin.
PBS	Phosphate buffer saline.
PCR	Polymerase chain reaction.
PPD	Purified protein derivative.
PPV	Positive Predictive Value.
RFLP	Restriction fragment length polymorphism.
RL	Respiratory Specimen Lysis Solution.
RNA	Ribonucleic acid.
rpm	Rotation per minute.
rRNA	Ribosomal RNA.
RT	Reverse transcriptase.
RT-PCR	Reverse transcriptase- polymerase chain reaction.
RW	Respiratory Specimen Wash Solution.
SUB A	Substrate A.
SUB B	Substrate B.
T *th*	Thermus thermophilus.
T	Thymine.
Taq	Thermus aquaticus.
TB	Tuberculosis.
TN	Transposons.
Tris. HCL	Trisodiumhydrocloric acid.
Tris.CL	Trisodium chloride.
TU	Tuberculin units.
U	Uracil.
ul	Micro liter.
WHO	World Health Organization.
Z.N.	Ziehl- Neelsen.

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AKNOWLEDGEMENT

First and foremost, I thank **ALLAH** by the grace of whom this work was possible.

I would like to thank ***Prof. Dr. Ahmed Abbas Raouf***, Professor and Chairman of Biochemistry Department, Liver Institute, Menoufiya University, for his valuable supervision and guidance.

I would like to express my deepest gratitude and appreciation to ***Dr. Osama Faheem Mansour,*** Assistant Professor of Chest Diseases, Faculty of Medicine, Menoufiya University, for his kind guidance, unforgettable encouragement and continuous motivation and advice. Without his sincere help, I would not have been able to produce this work. I will always remember his great kindness and support.

I am so grateful to ***Dr. Ahmed Abd El-Rahman Ali,*** Assistant Professor of Chest Diseases, Faculty of Medicine, Menoufiya University, for his kind supervision and continuous guidance helped this work to be finally achieved.

My thanks and appreciation to ***Dr. Mohamed Attia Zamzam,*** Assistant Professor of Chest Diseases, Faculty of Medicine, Menoufiya University, for his generous advice and valuable comments through this work.

Many thanks to ***Dr. Amira El-Hindi*** Lecturer of Clinical Pathology Department, Faculty of Medicine, Menoufiya University, for her valuable guidance and help by her unlimited experience in the practical part of this work.

Finally, I would like to record my great thanks to my family and my colleagues in Chest Department for their help and great efforts to complete this work.

INTRODUCTION