



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





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## التوثيق الالكتروني والميكرو فيلم

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأفلام قد اعدت دون أية تغيرات



## يجب أن

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15 – 25c and relative humidity 20-40 %



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# بعض الوثائق الأصلية تالفة



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بالرسالة صفحات  
لم ترد بالأصل

# **Telomerase Activity in Myeloid Leukaemias**

Thesis

Submitted for Partial Fulfilment of  
M.D. Degree in Clinical and Chemical Pathology

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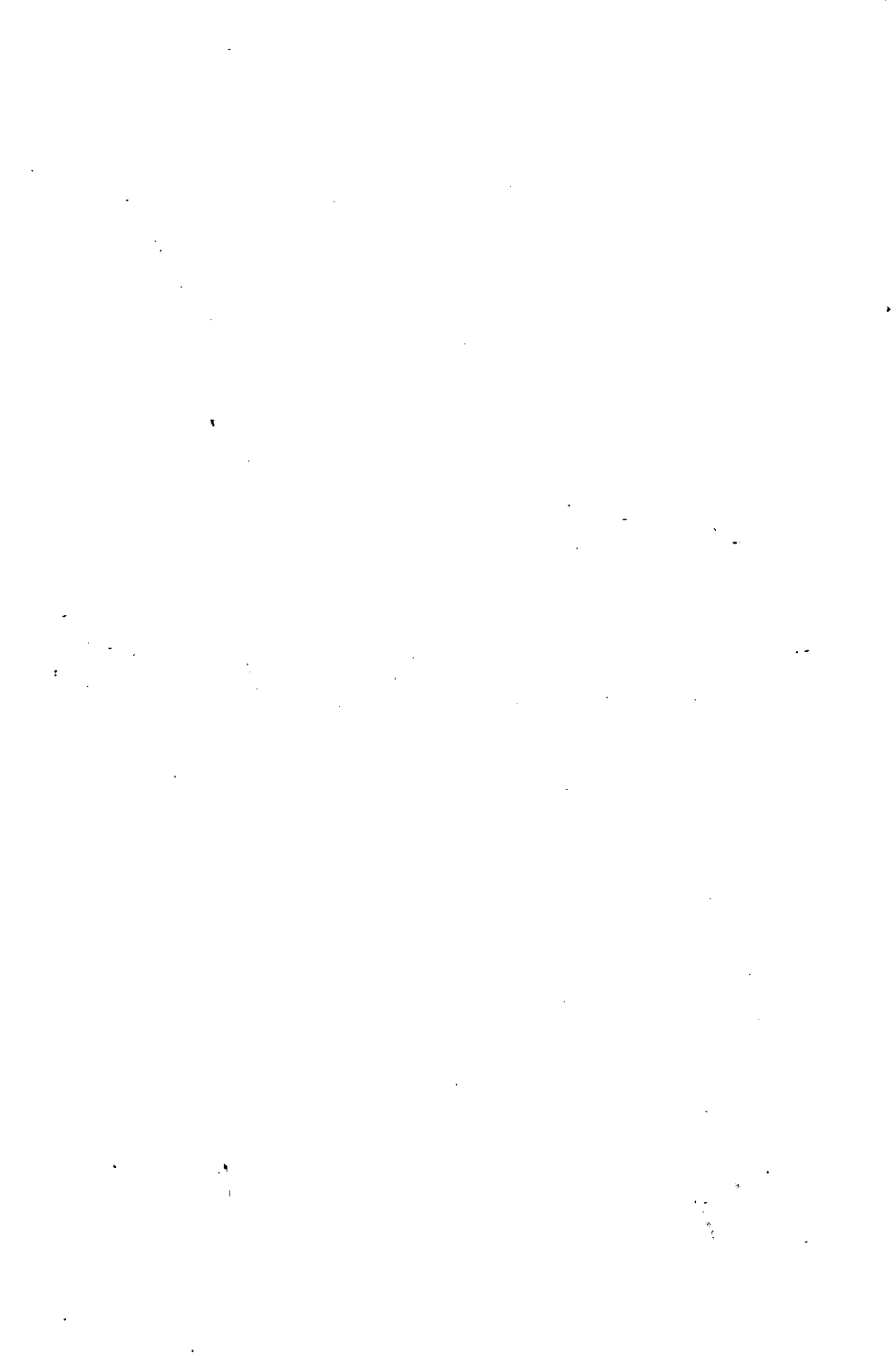
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**2001**

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c. 1/11/01

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## List of Abbreviations

- a-IFN: alpha-interferon.  
ALCL: Anaplastic Large Cell Lymphoma.  
ALL: Acute lymphoblastic leukemia.  
AML: Acute Myeloid leukemia.  
ANLL: Acute Non-Lymphoblastic Leukemia.  
(AP): Accelerated phase.  
AP: Acid Phosphatase  
APL: Acute Promyelocytic Leukemia.  
BM: Bone Marrow  
(bp) : base pairs.  
(BP): Blastic Phase  
CAE: Chloroacetate Estrase  
CD: Cluster Designation.  
CDKs : Cyclin - Dependent Kinases  
CLL: Chronic lymphocytic leukemia.  
CML: Chronic Myeloid Leukemia  
CMPD: Chronic Myeloproliferative Disease.  
(CP)-CML: Chronic phase-chronic myeloid leukemia.  
CR: Complete Remission.  
CSF-G: Granulocyte Colony Stimulating Factor.  
CSF-GM: Granulocyte monocyte Colony Stimulating  
Factor.  
CSF-M: Macrophage Colony Stimulating Factor.  
Da: Dalton.

DFS: Disease Free Survival.

DIC: Disseminated Intravascular Coagulopathy.

DIG: digoxigenin

DNA: Deoxyribonucleic Acid

dNTPs: deoxynucleotide triphosphate

EM: Electron Microscopy

F-TRAP: fluorescent TRAP.

FAB: French-American-British.

FCC: Follicular Center Cells.

FCM: Flow cytometry.

G-banding: Giemsa banding

GC-B : germinal center B-cells

HCL: Hairy Cell Lymphoma.

HD: Hodgkin's disease.

HEL: Human erythro leukemia cells.

HGFs: Hematopoietic Growth Factors.

HLA: Human leucocyte antigen.

hTERC: human telomerase RNA Component.

hTERT: human Telomerase Reverse Transcriptase

hTR: human Telomerase RNA gene.

ICE: Interleukin converting enzyme

IL: Interleukin.

Kbp: Kilo base pairs

kDa: Kilodalton.

LM: Light Microscopy.

LPL: Lympho Plasmacytoid Lymphoma.

M1: Mortality Stage 1

M2 : Mortality Stage 2

MDS: Myelodysplastic Syndrome.

MPO: Myeloperoxidase.

MRD: Minimal Residual Disease.

mRNA: Messenger RNA.

MTP: Microtiter plate.

NAP: Neutrophil Alkaline Phosphatase.

NBE: Naphthyl Butyrate Estrase.

NHL: Non-Hodgkins lymphoma

NSE: Non-Specific Esterase.

PAS: Periodic Acid-Schiff.

PB : Peripheral Blood

PBMCs : Peripheral Blood Mononuclear Cells.

PBS: Phosphate Buffered Saline

PCR: Polymerase Chain Reaction.

PD: Population Doubling

Ph: Philadelphia.

PNAs: Peptide Nucleic Acids.

pRb: Retinoblastoma gene product

RARA: Retinoic Acid Receptor Alpha.

RCC: Renal cell carcinoma.

RF-A: Replication Factor A

RMB: Roche Molecular Biochemicals

RNA: Ribonucleic Acid.

RT-PCR: Reverse transcriptase - PCR

SBB: Sudan Balck B

SPA: Scintillation Proximity Assay technology.

TA: Telemerase Activity.

TdT: Terminal deoxyribonucleotidyl Transferase.

TEPI : Telemerase Associated Protein

TLMA: Telomerae Activity.

TNF-a : Tumor Necrosis Factor-alpha.

TPG: Total Product Generated

TRAP: Telomeric Repeat Amplification Protocol.

TRFs: Temrinal Restrictive Fragments.

VLL: Villous lymphocytic lymphoma.

WBC: White Blood Cell.