**Figure1**

A. http://zinc.docking.org/substances/search/?q=sinensetin

B.

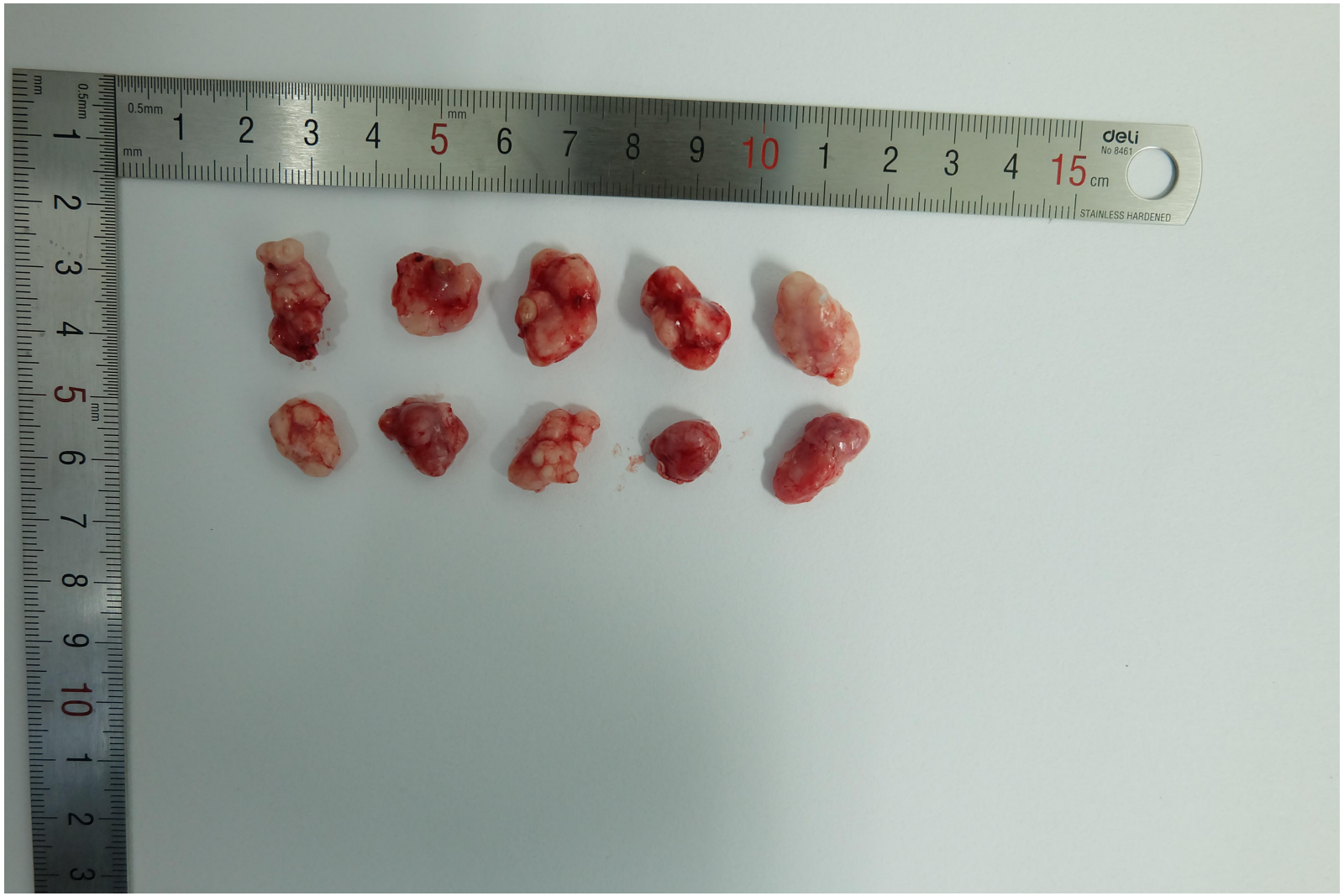


**Figure1**

D.CON

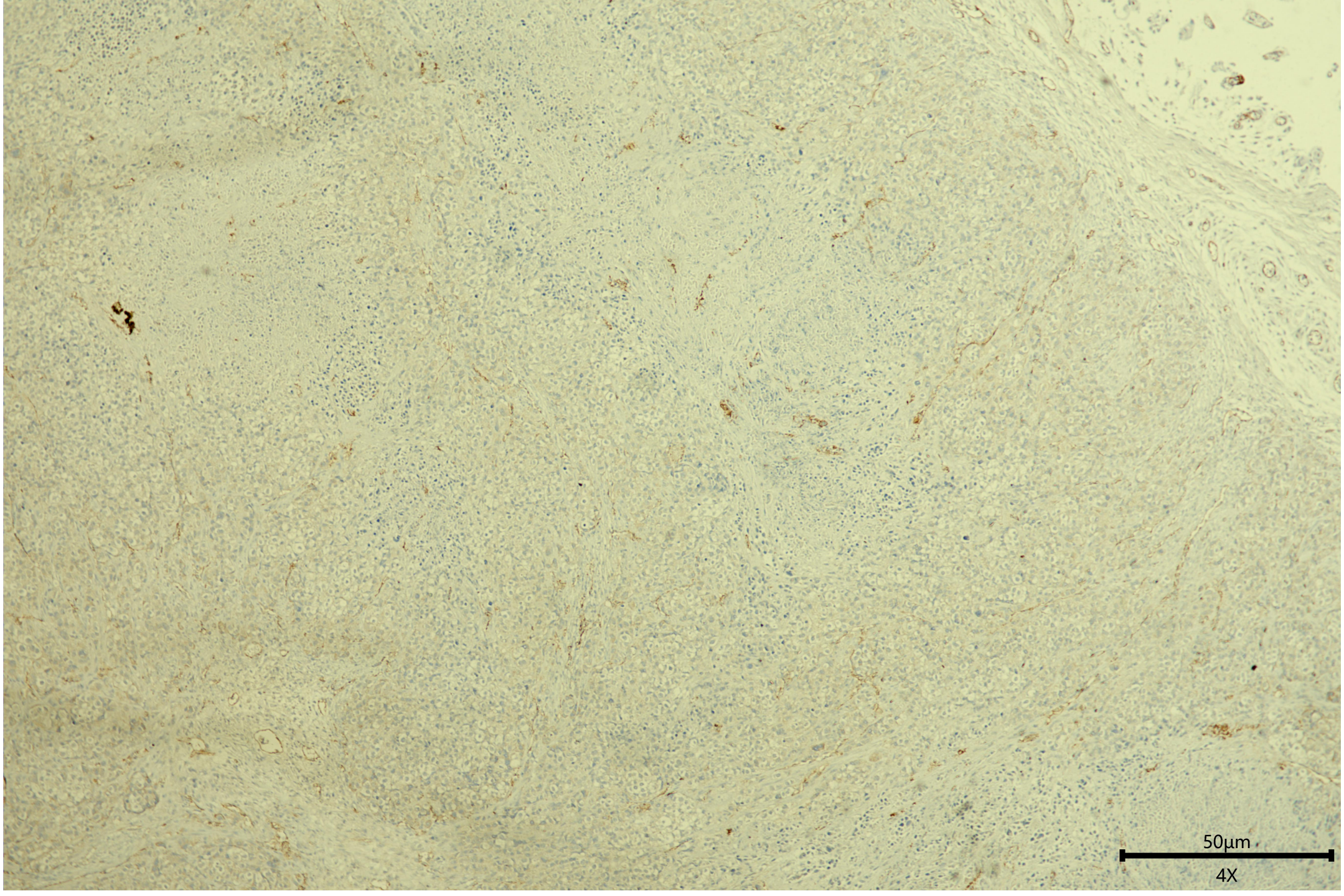


**Figure1**

D.SIN

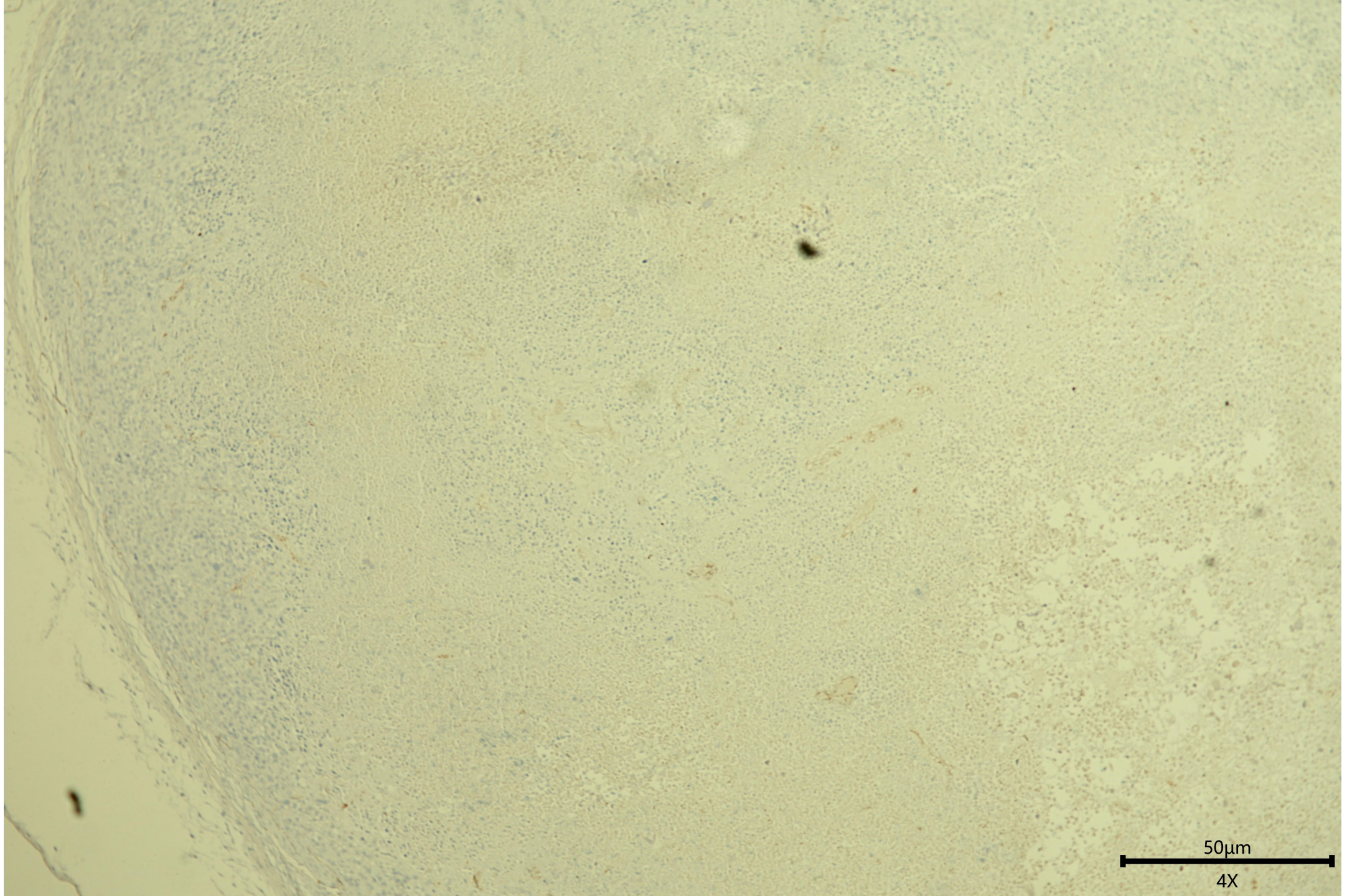


**Figure1**

D.CON

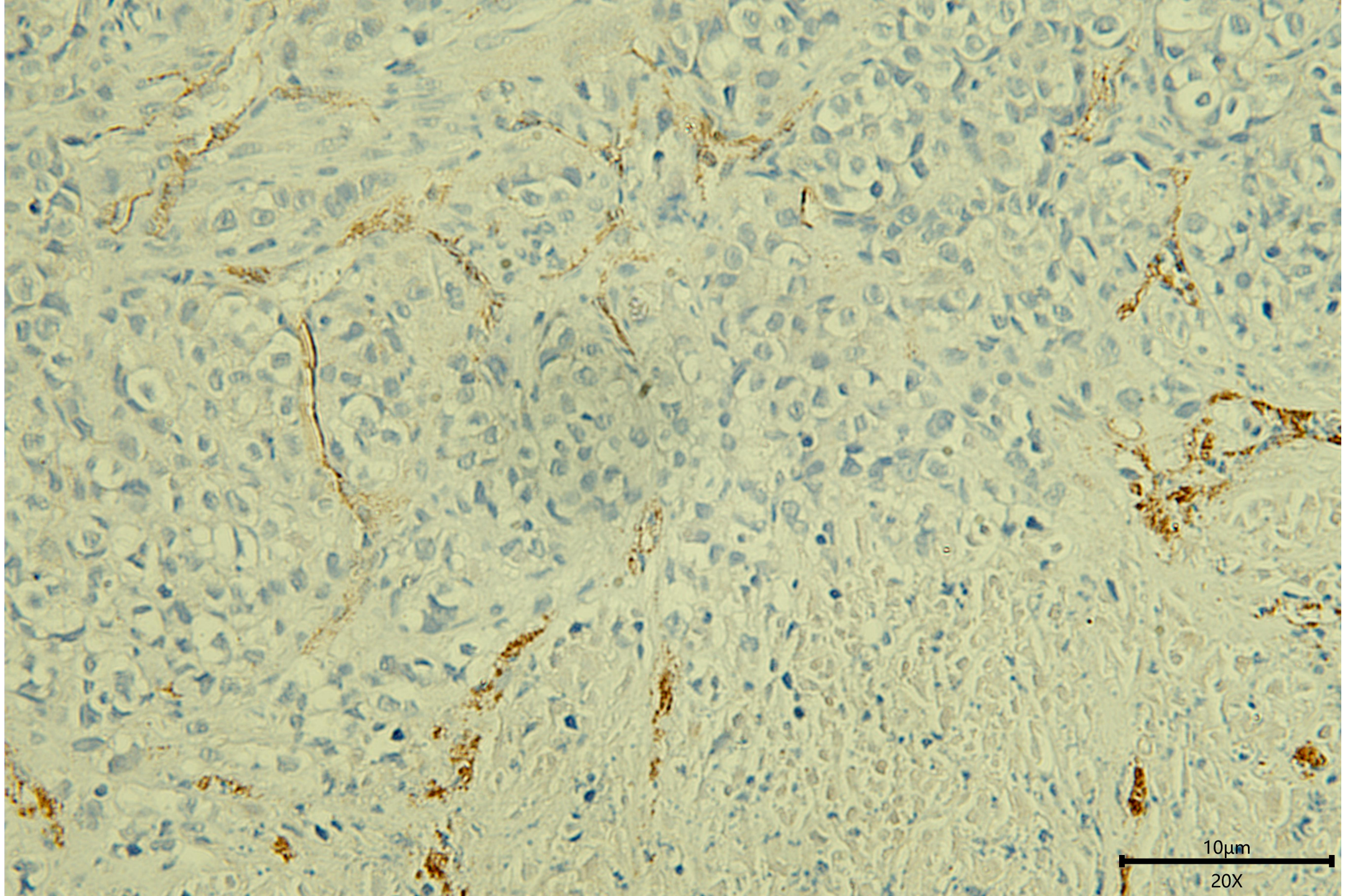


**Figure1**

D.SIN

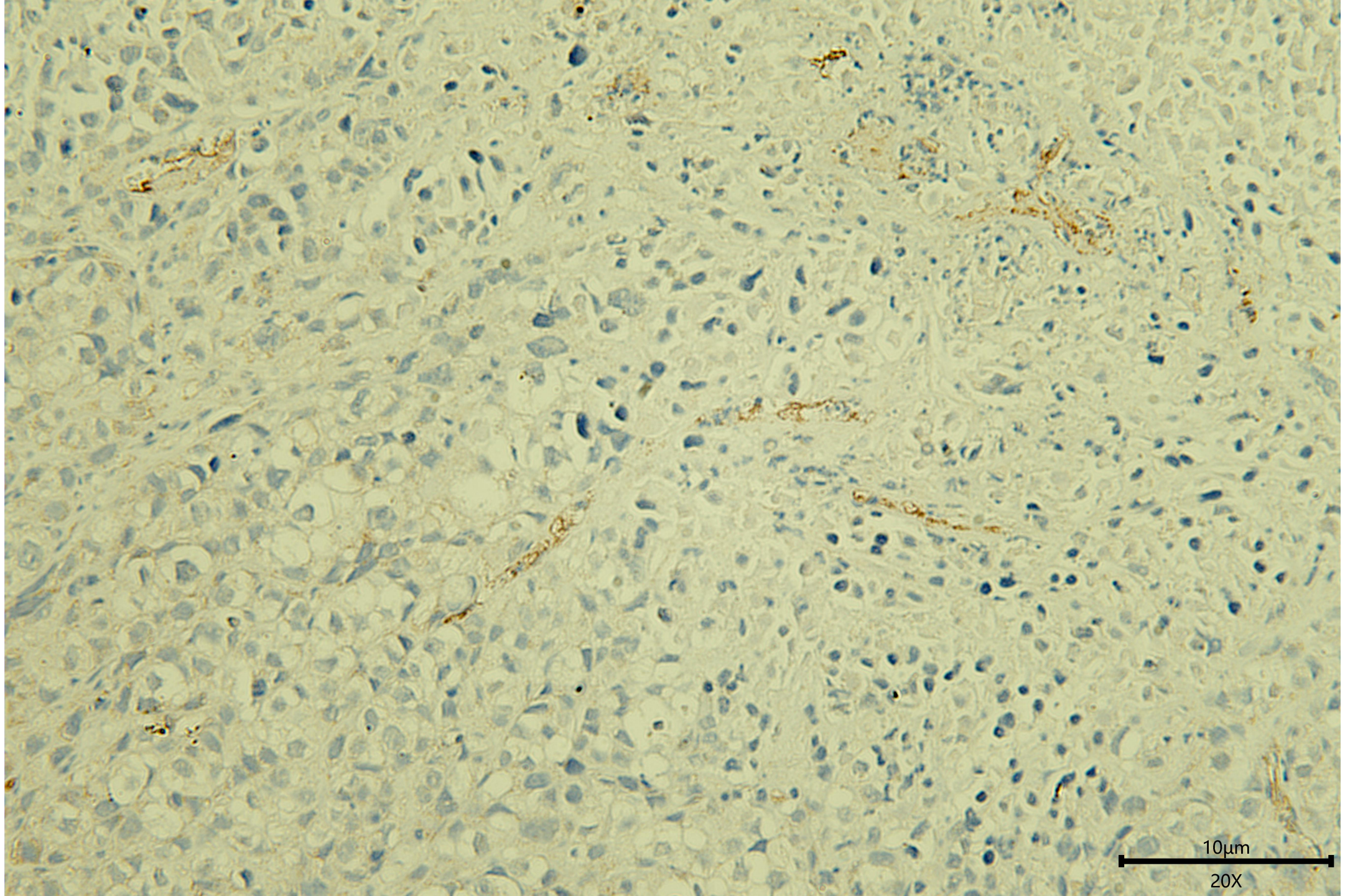
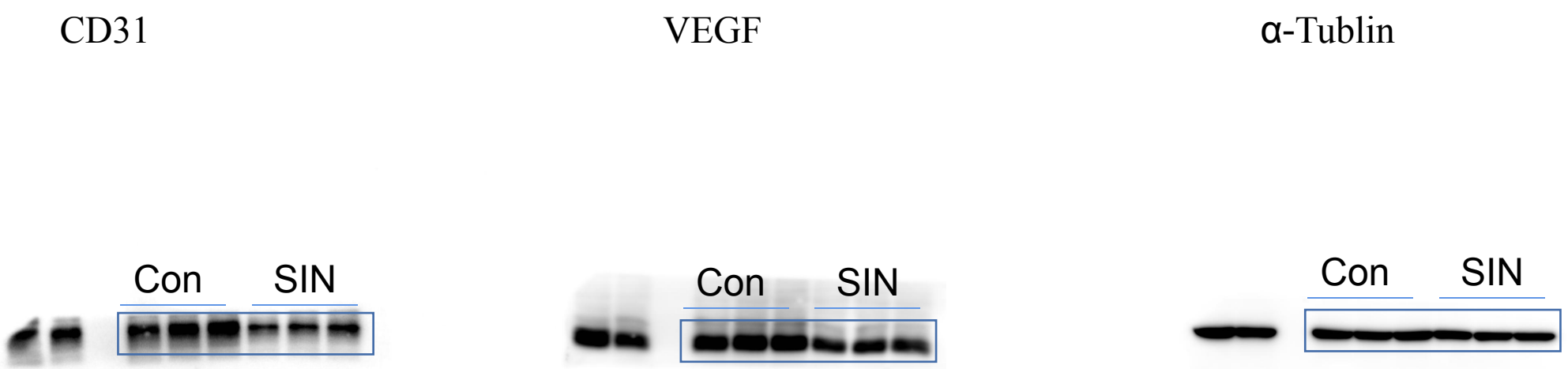
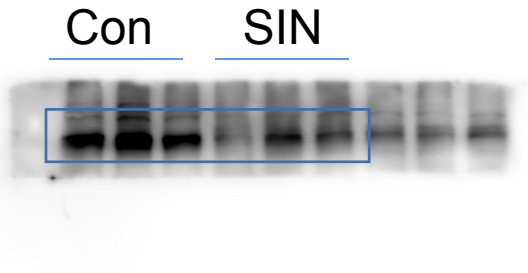


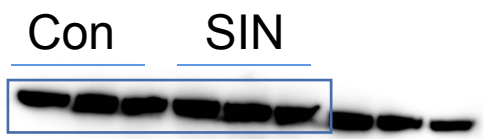
**Figure1**



CD31




α-Tublin



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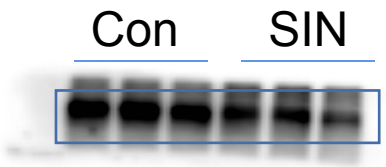
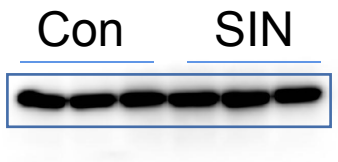
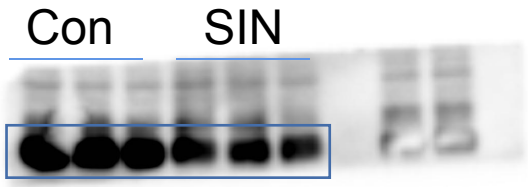


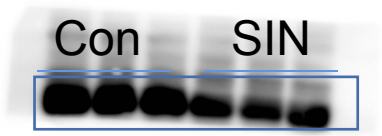

α-Tublin




VEGF



VEGF




α-Tublin

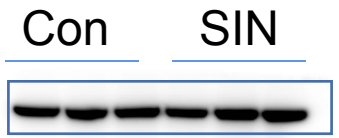
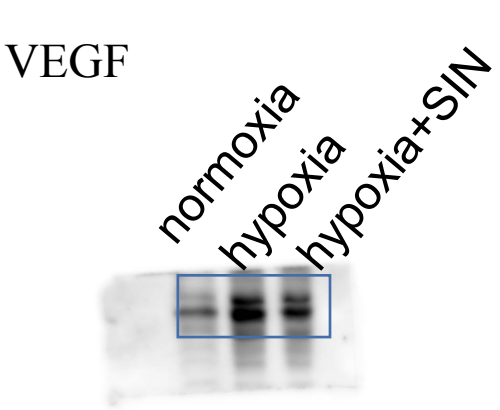
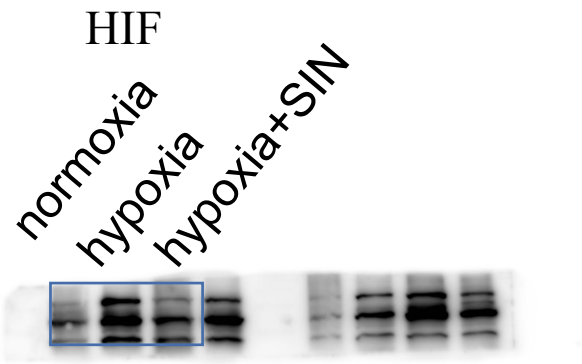
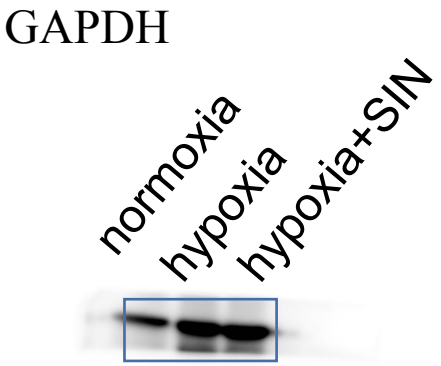
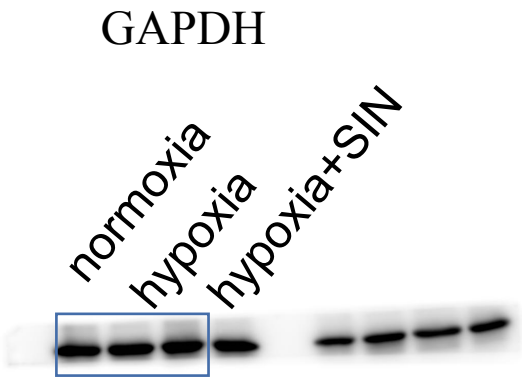


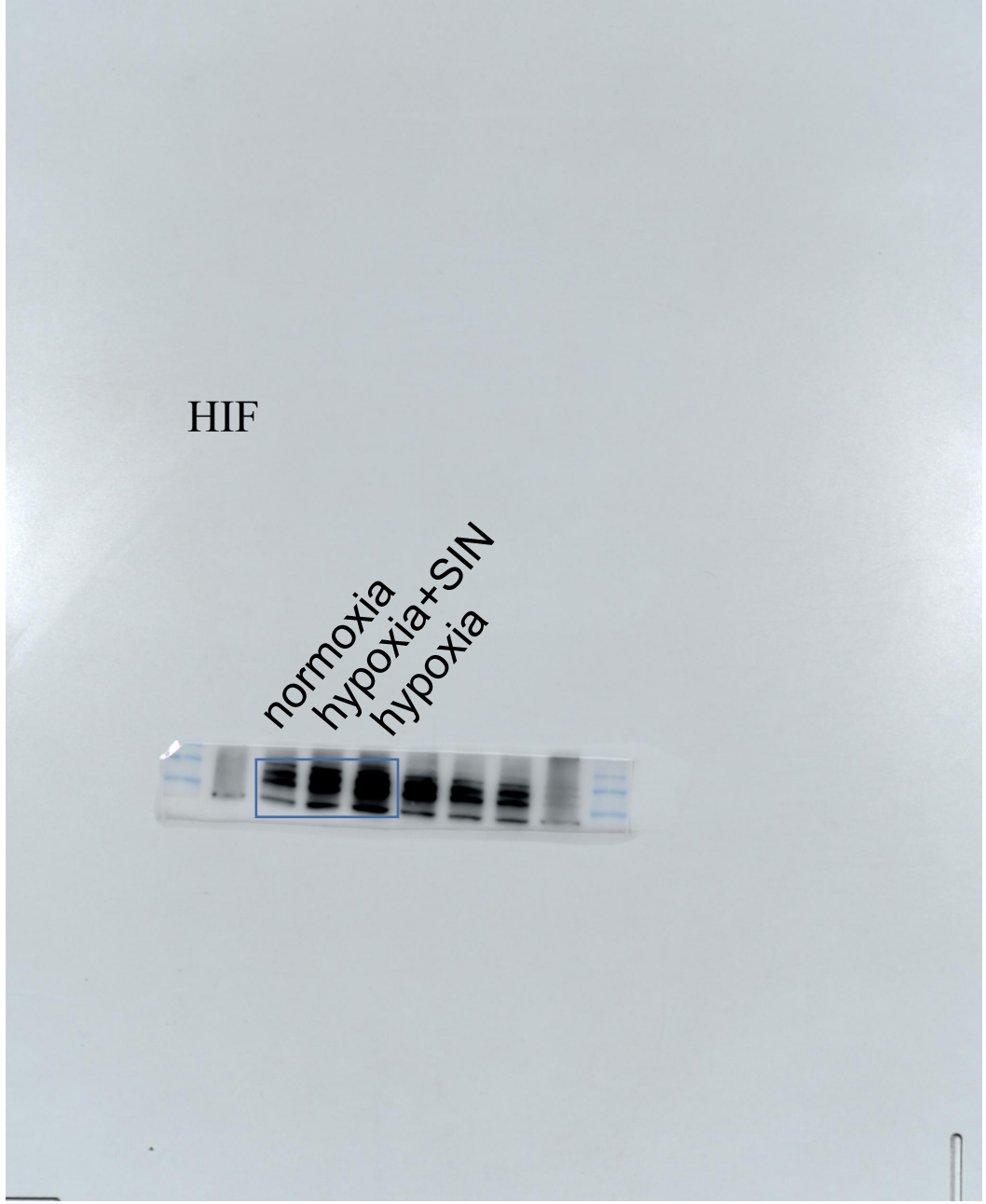
**Figure2A**

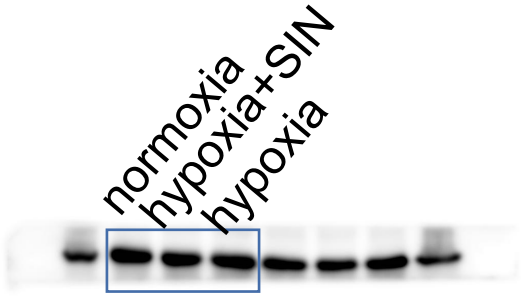

VEGF
normoxia
hypoxia
hypoxia+SIN


HIF
normoxia
hypoxia
hypoxia+SIN

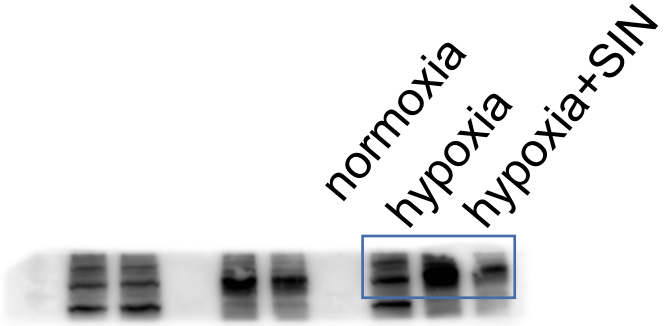

GAPDH
normoxia
hypoxia
hypoxia+SIN


GAPDH
normoxia
hypoxia
hypoxia+SIN

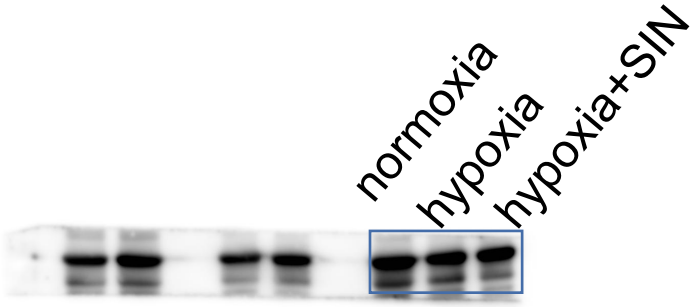

HIF
normoxia
hypoxia+SIN
hypoxia


GAPDH
normoxia
hypoxia+SIN
hypoxia

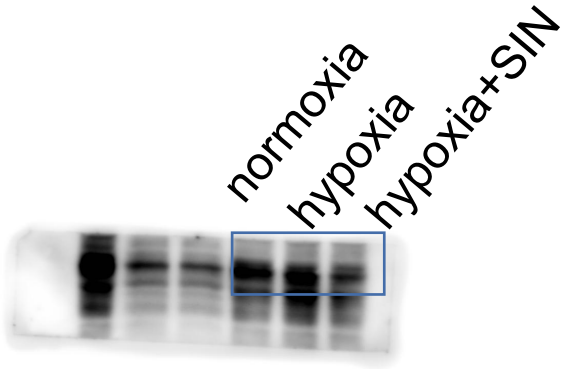
HIF


normoxia
hypoxia
hypoxia+SIN

GAPDH


normoxia
hypoxia
hypoxia+SIN

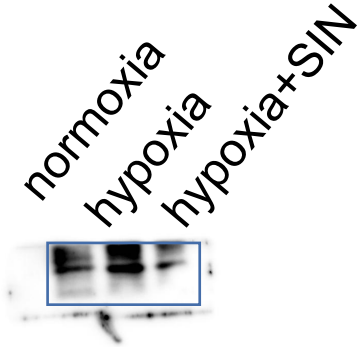
VEGF


normoxia
hypoxia
hypoxia+SIN

GAPDH

normoxia
hypoxia
hypoxia+SIN

VEGF


normoxia
hypoxia
hypoxia+SIN

GAPDH

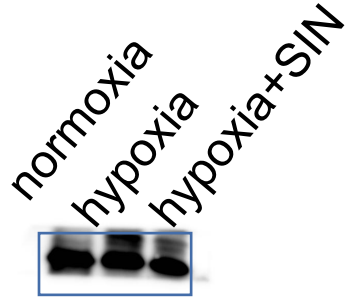

normoxia
hypoxia
hypoxia+SIN

**Figure2D**

D.CON

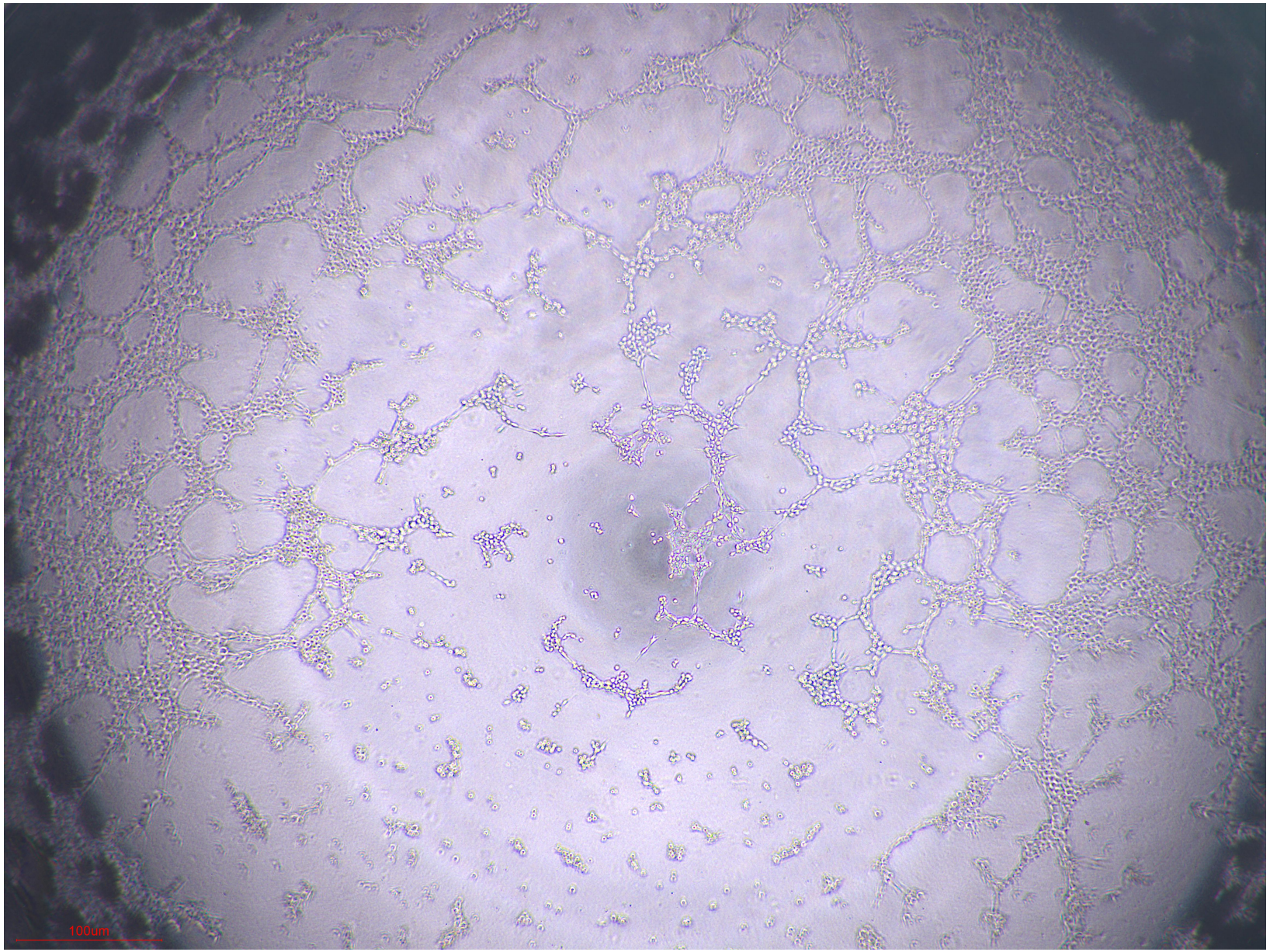
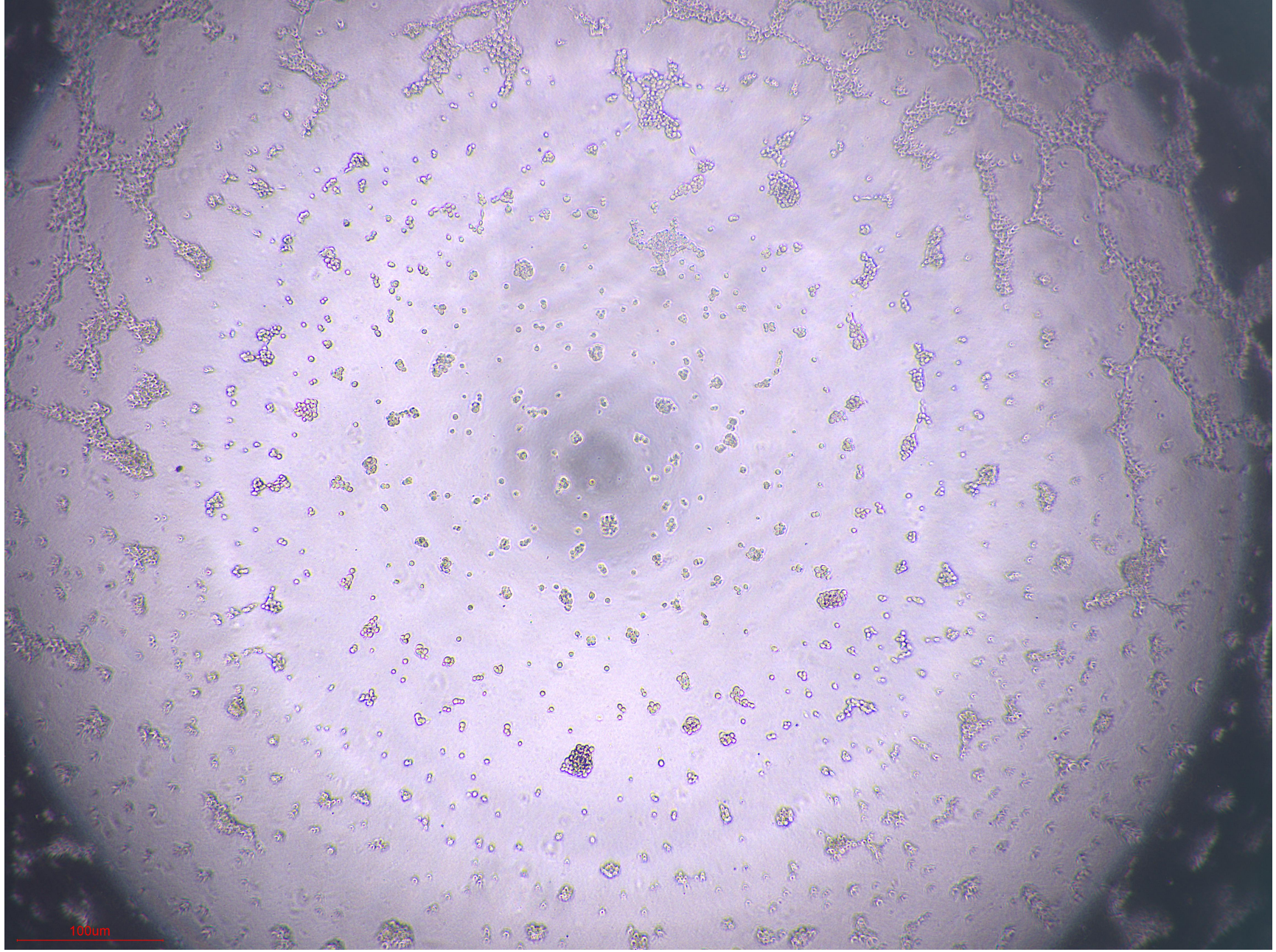
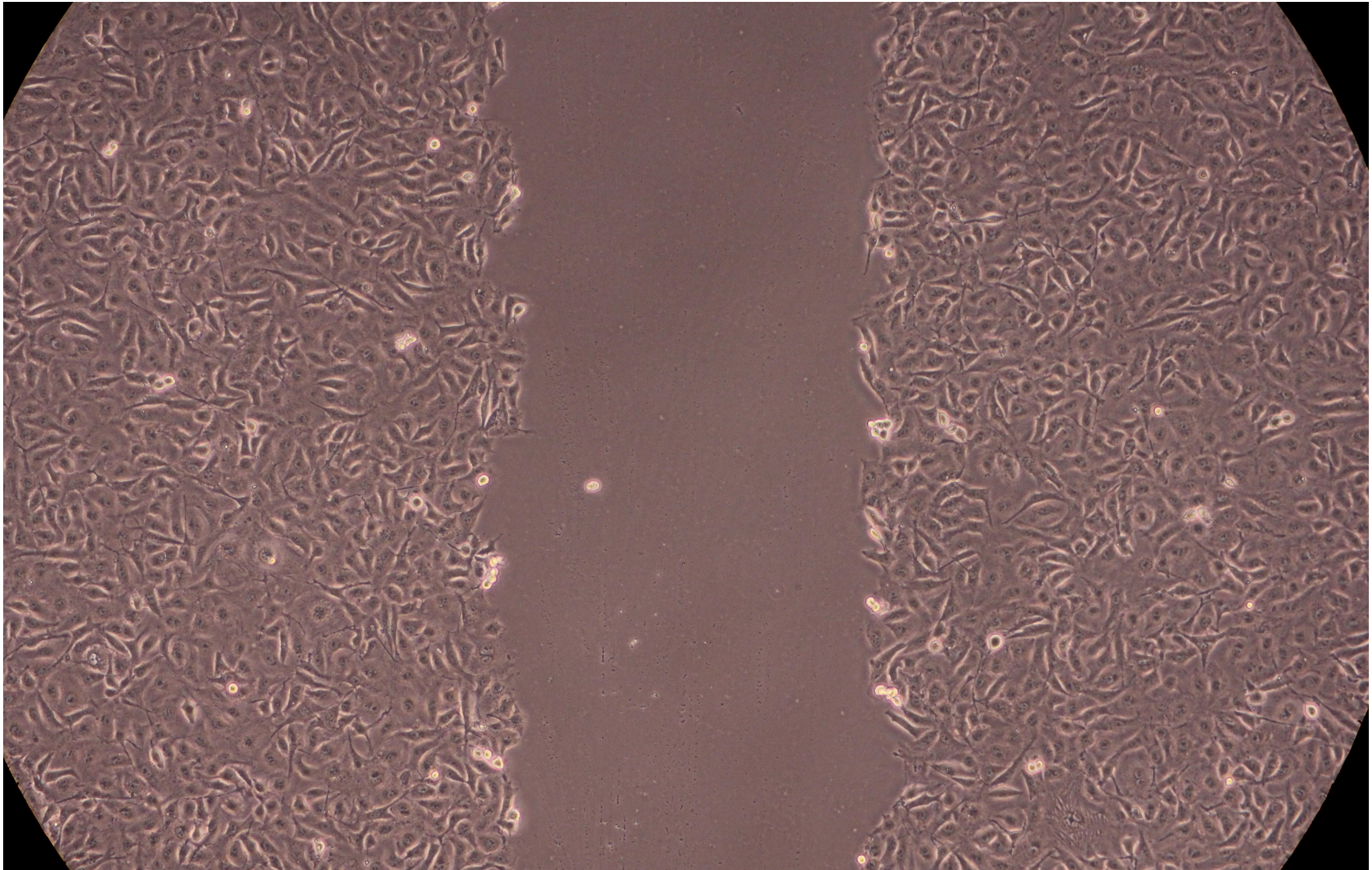


**Figure2D**



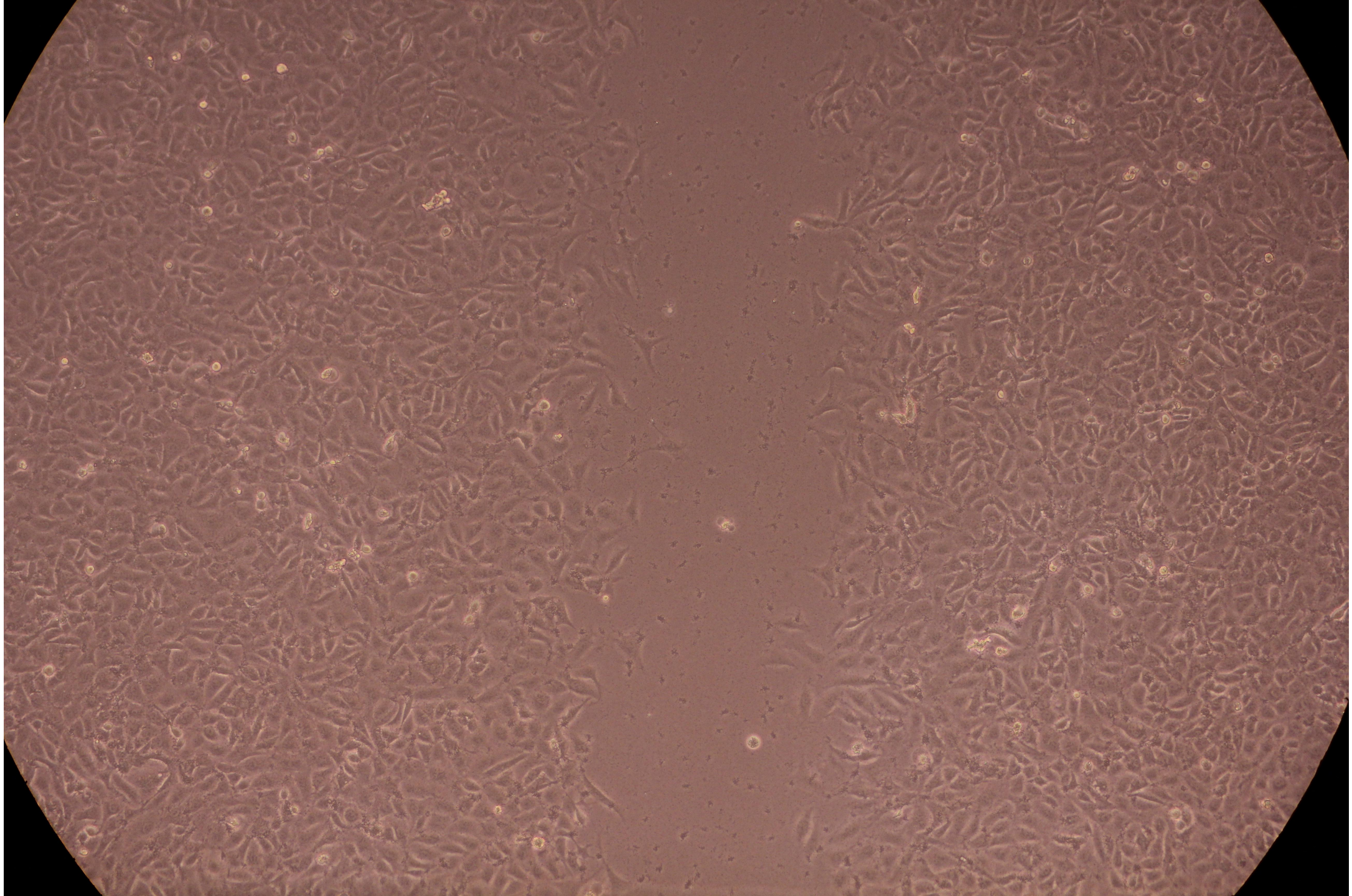

D.SIN

**Figure3C**



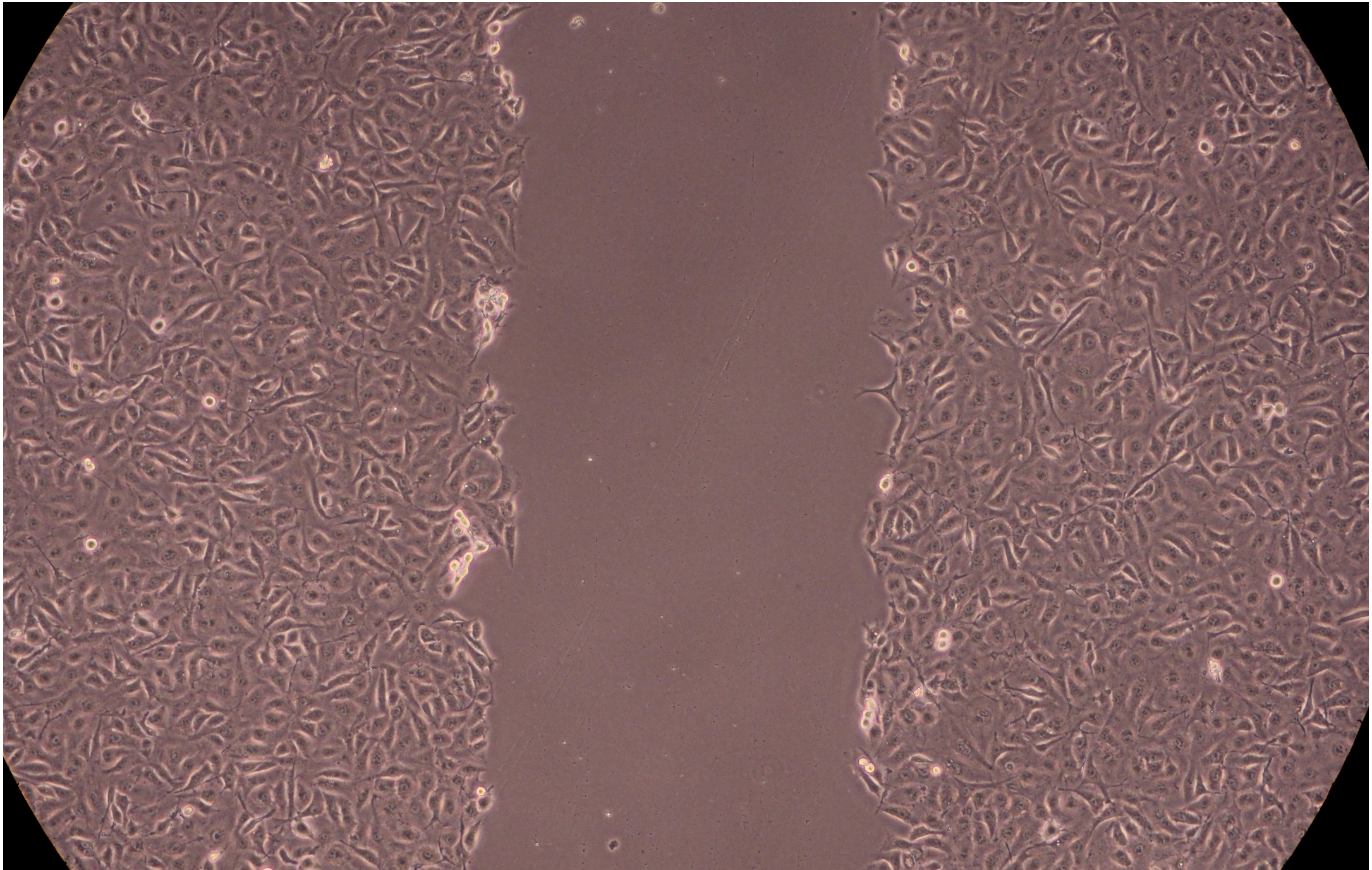
CON 0h

**Figure3C**



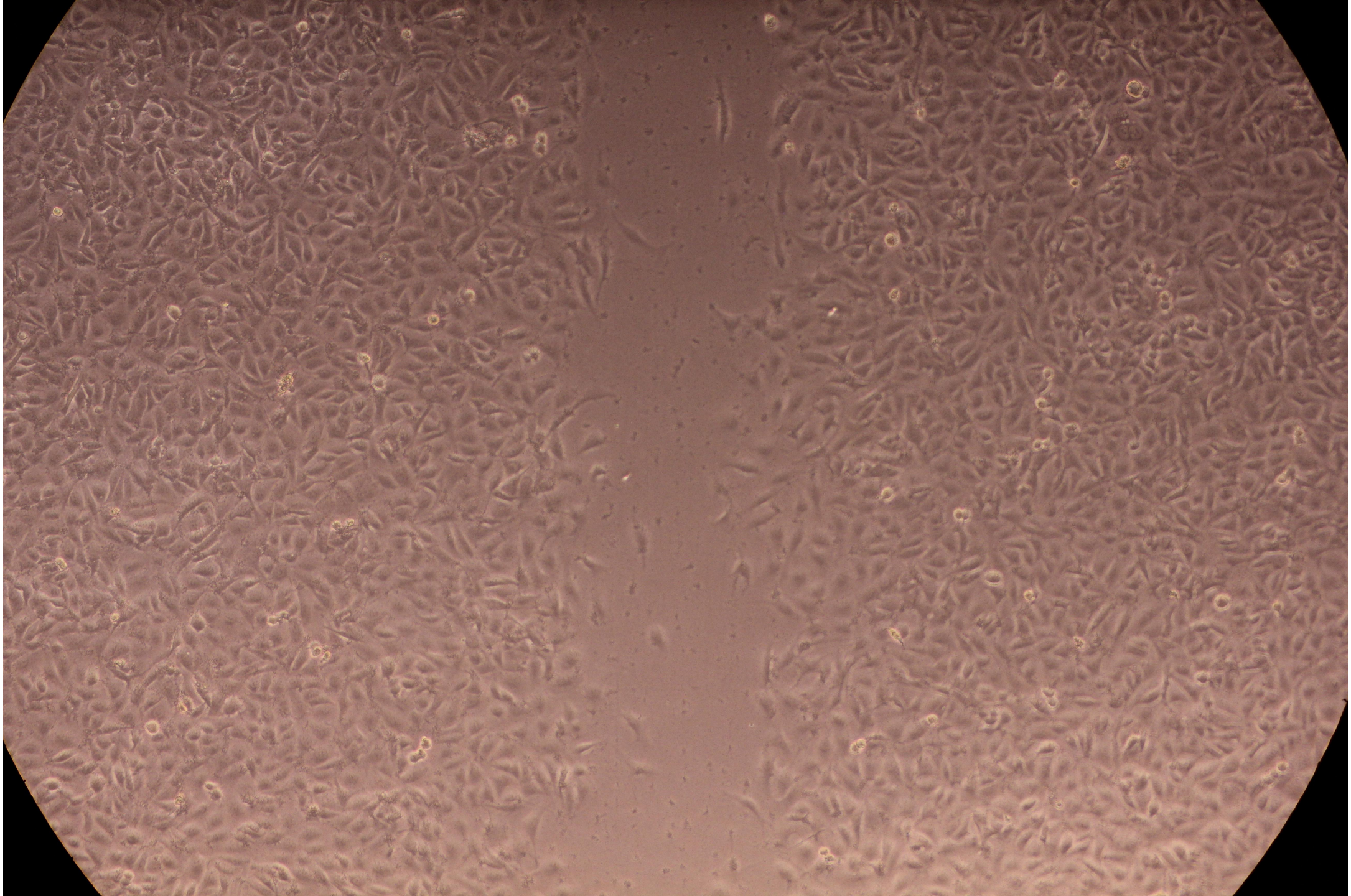
CON 24h

**Figure3C**



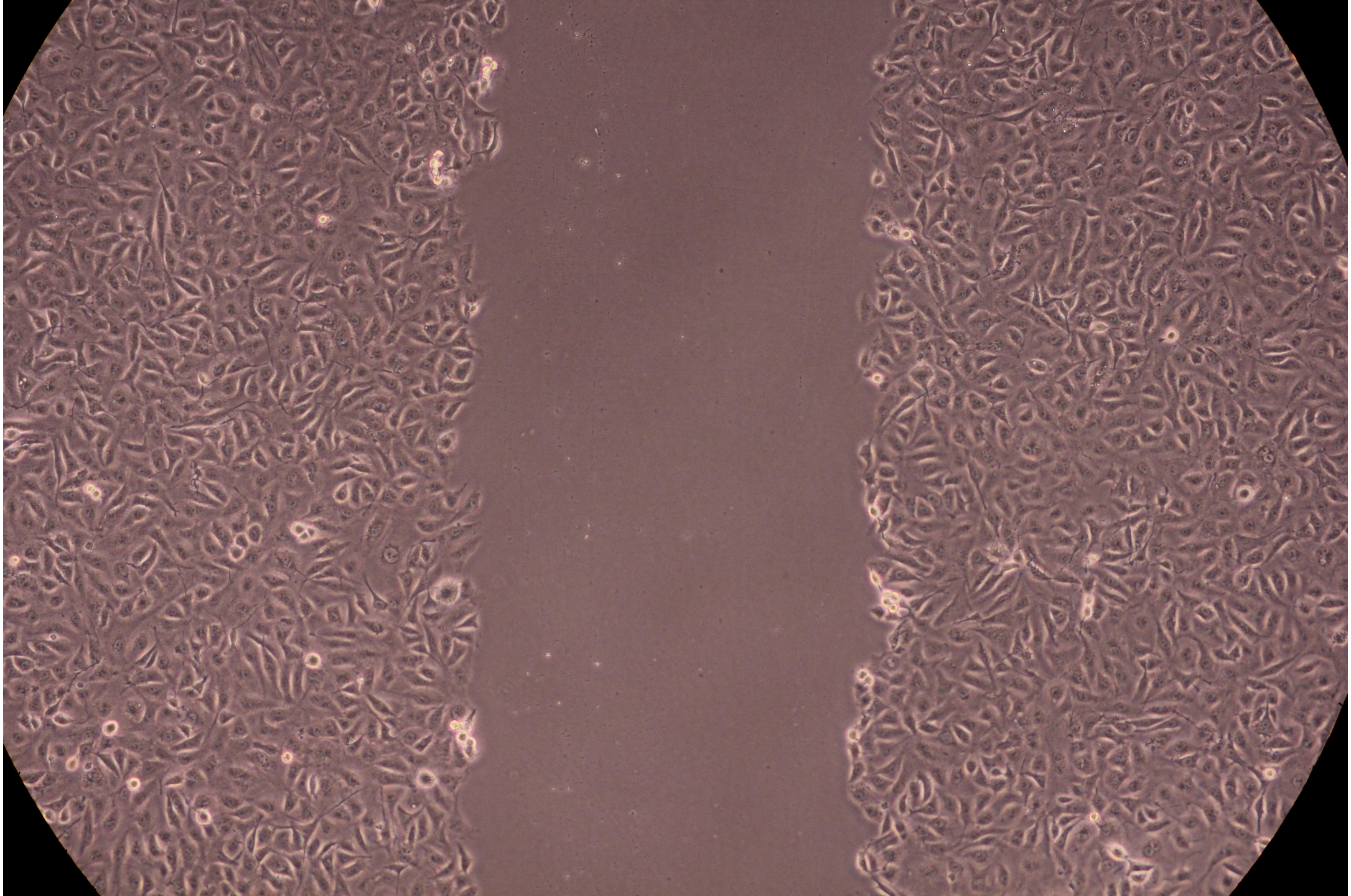
VEGF
0h

**Figure3C**



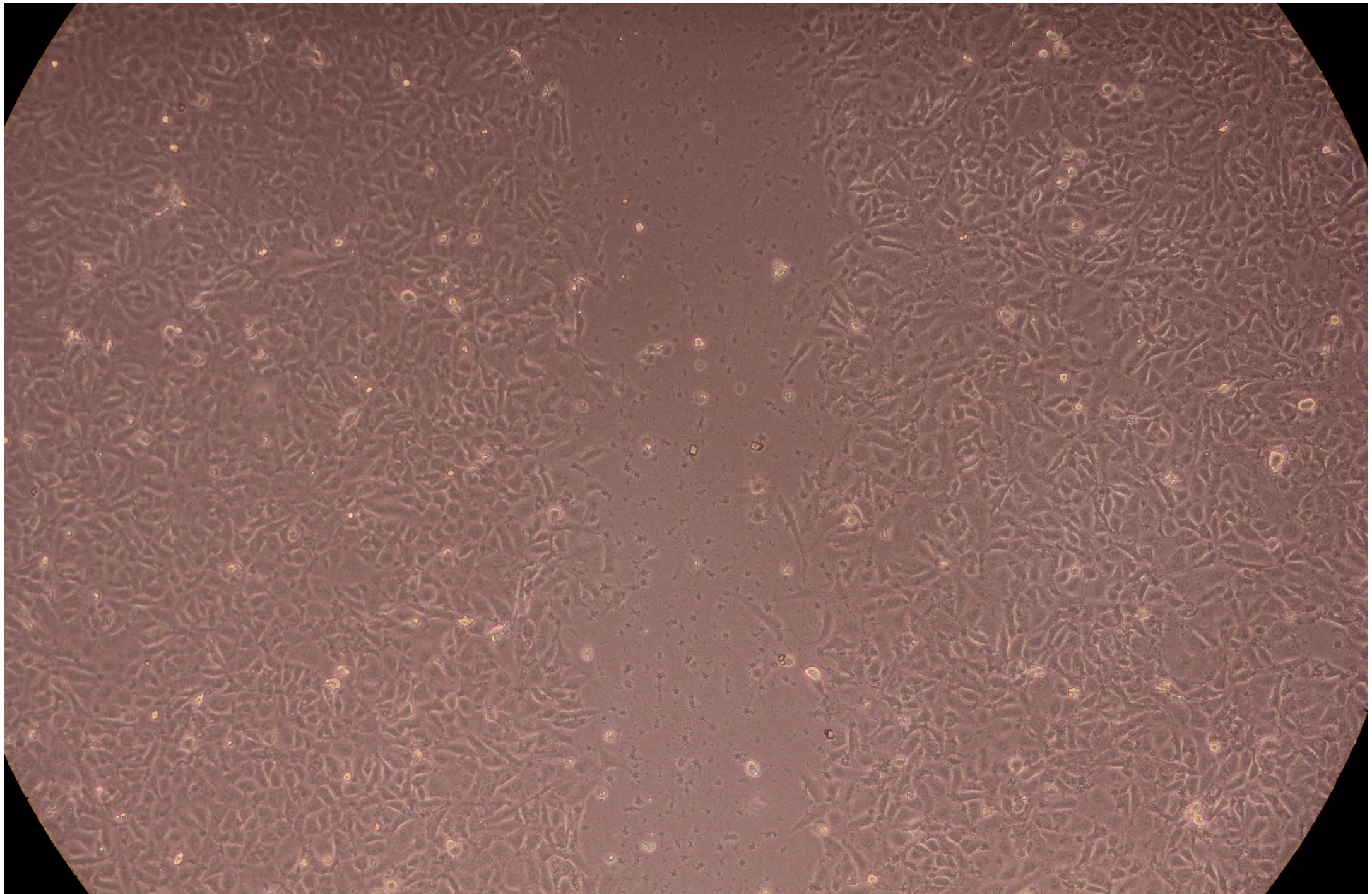
VEGF
24h

**Figure3C**



VEGF+
SIN 0h

**Figure3C**



VEGF+
SIN 24h

**Figure3D**

CON

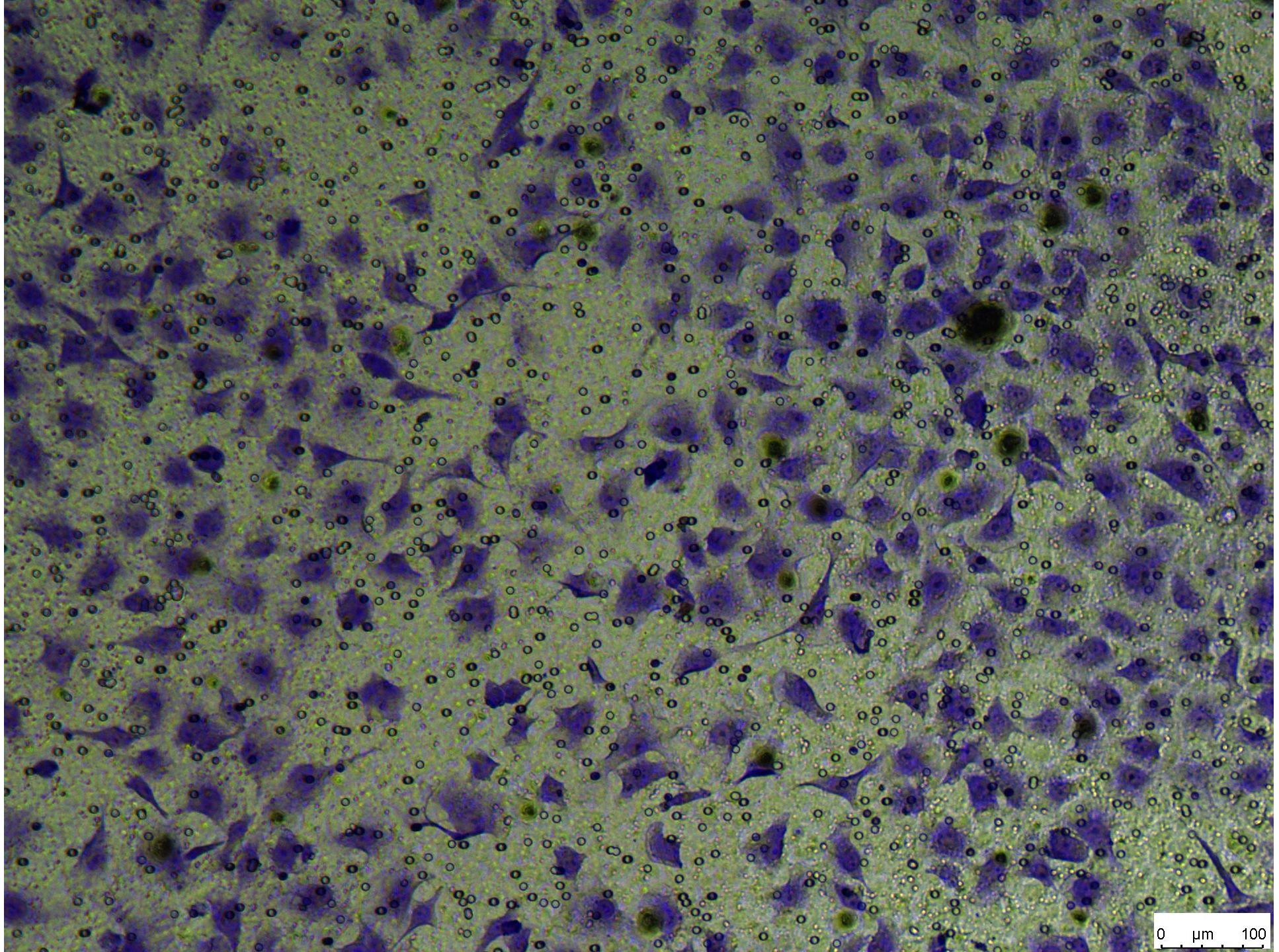


**Figure3D**

VEGF

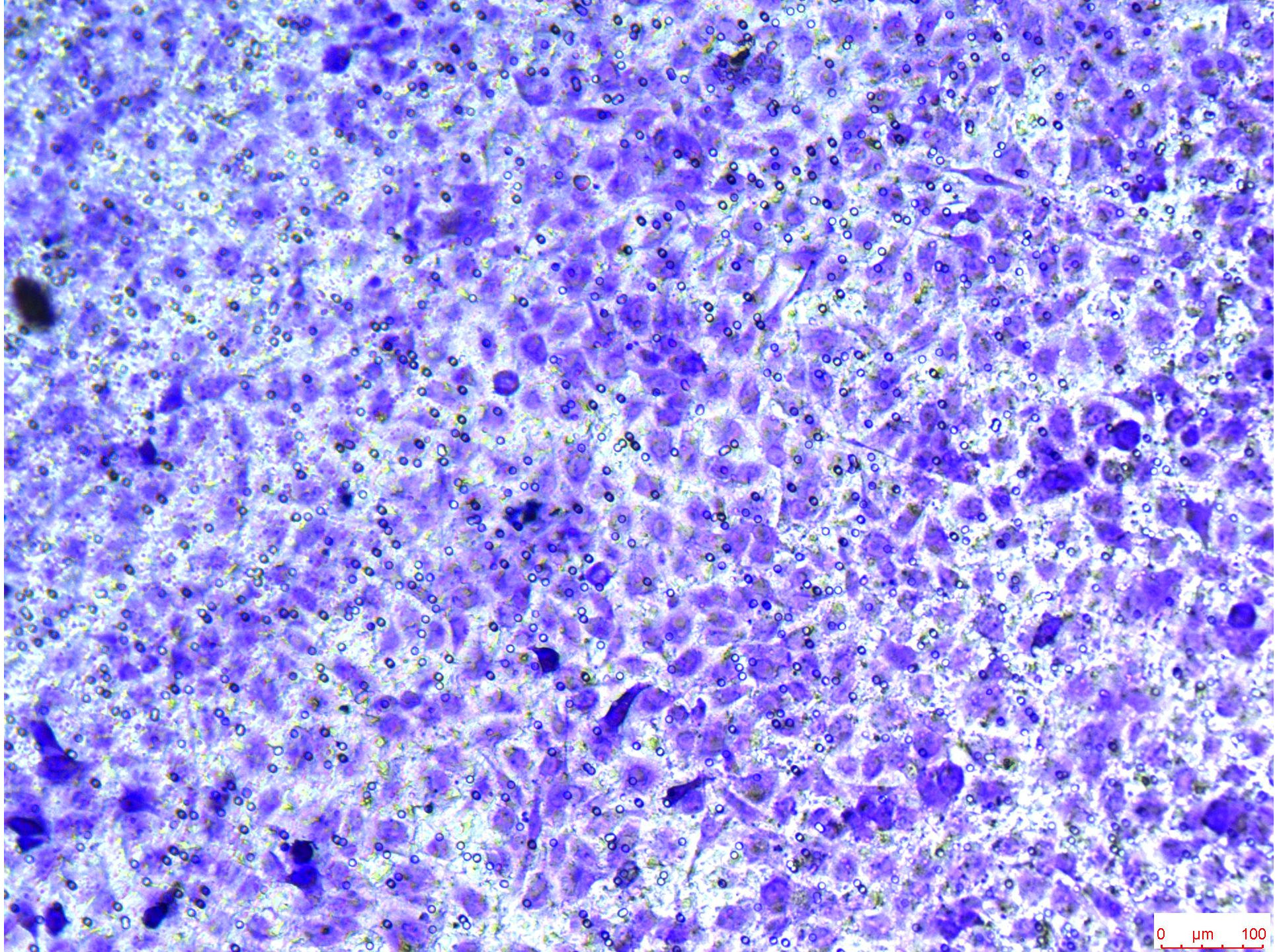


**Figure3D**

VEGF+SIN

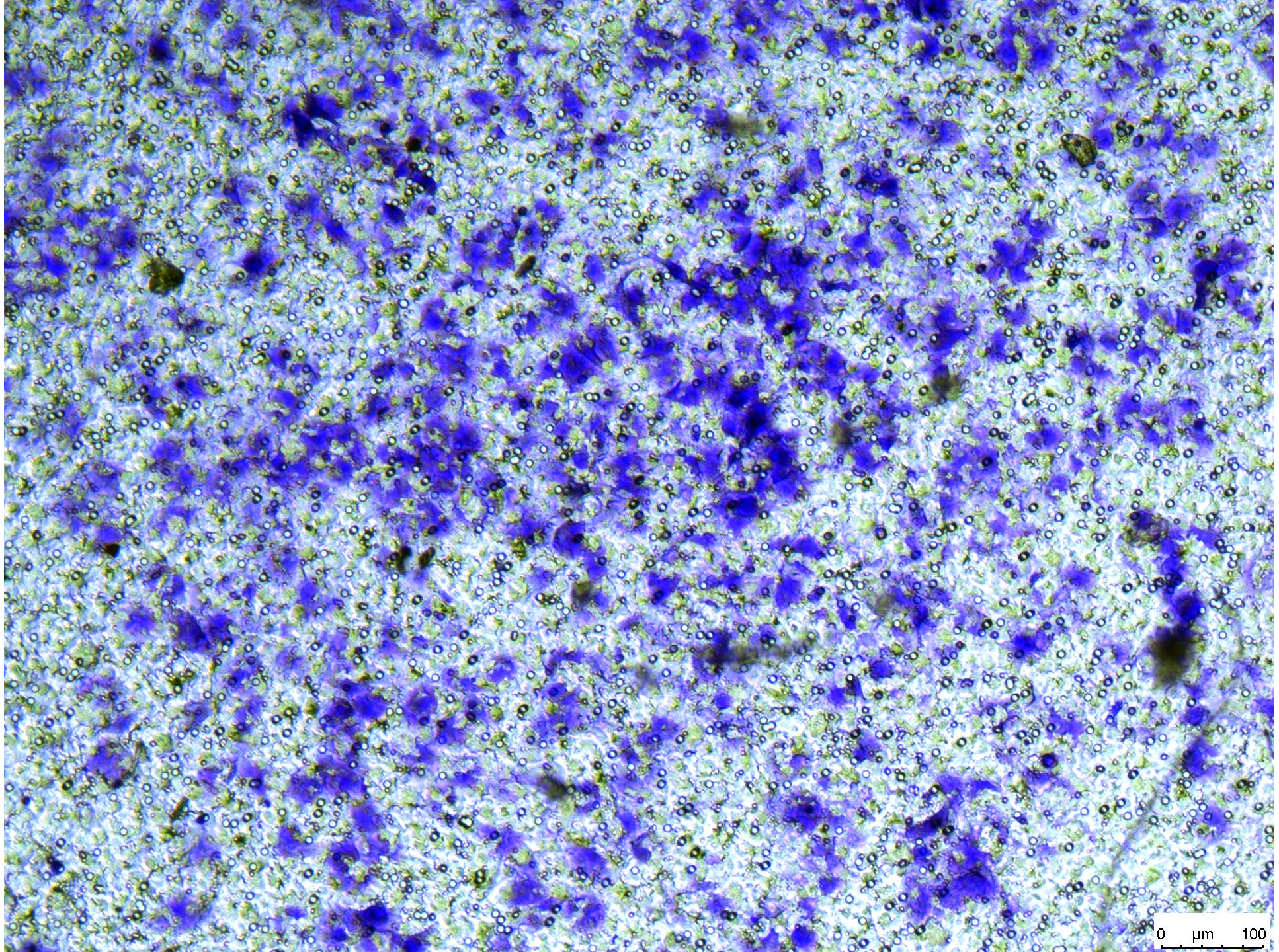


**Figure3E**

CON

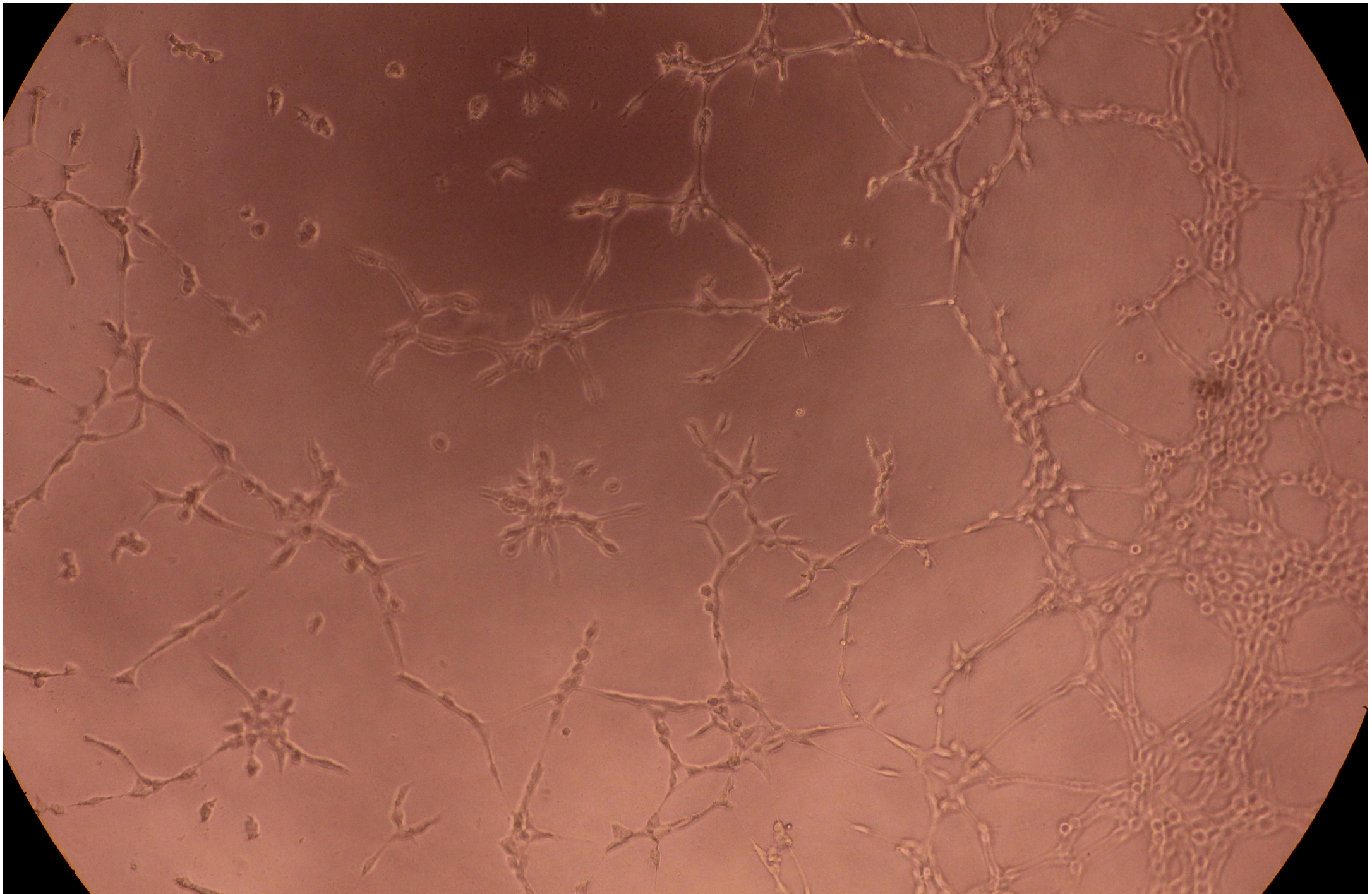


**Figure3E**

VEGF

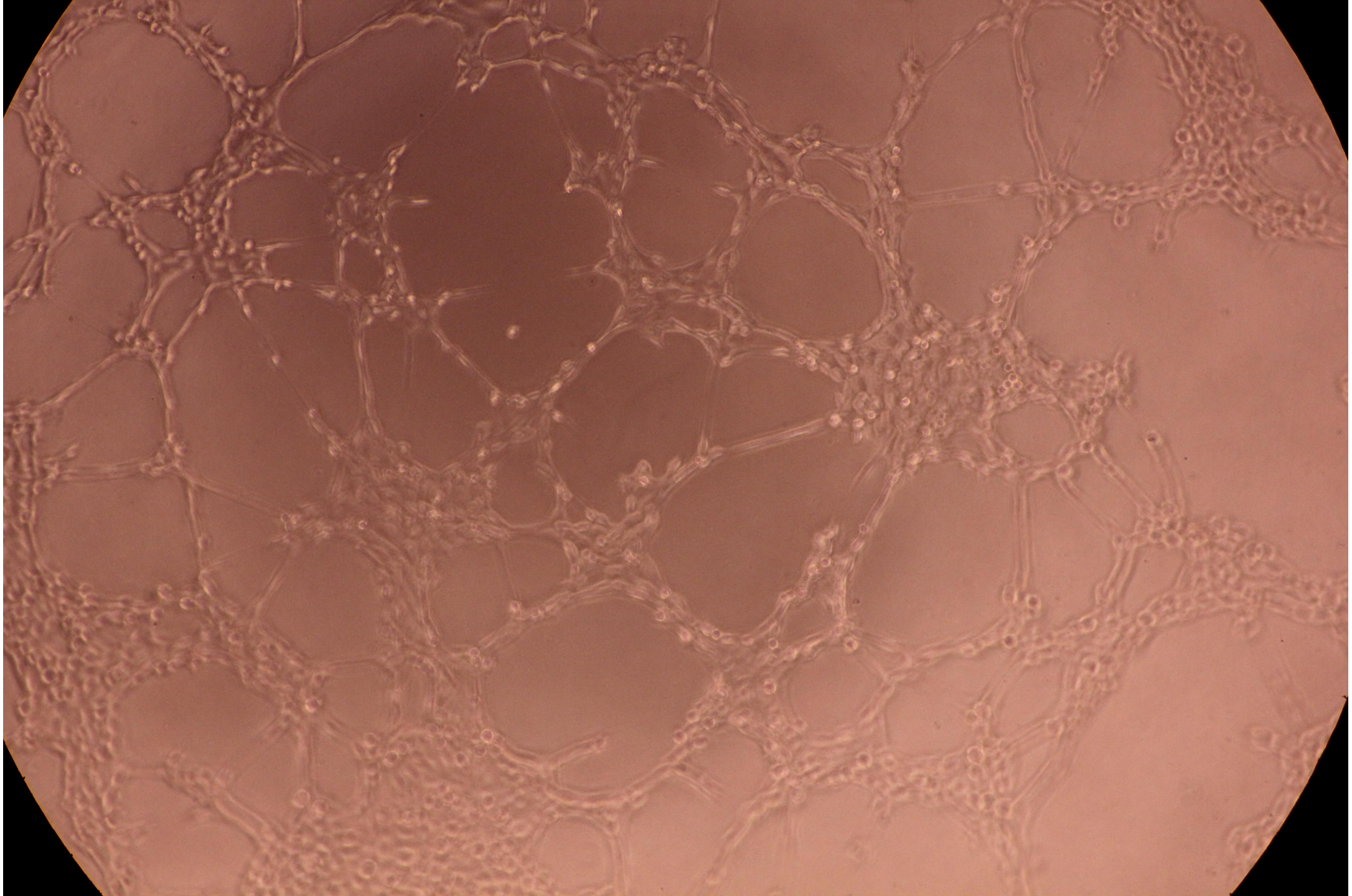


**Figure3E**

VEGF+SIN

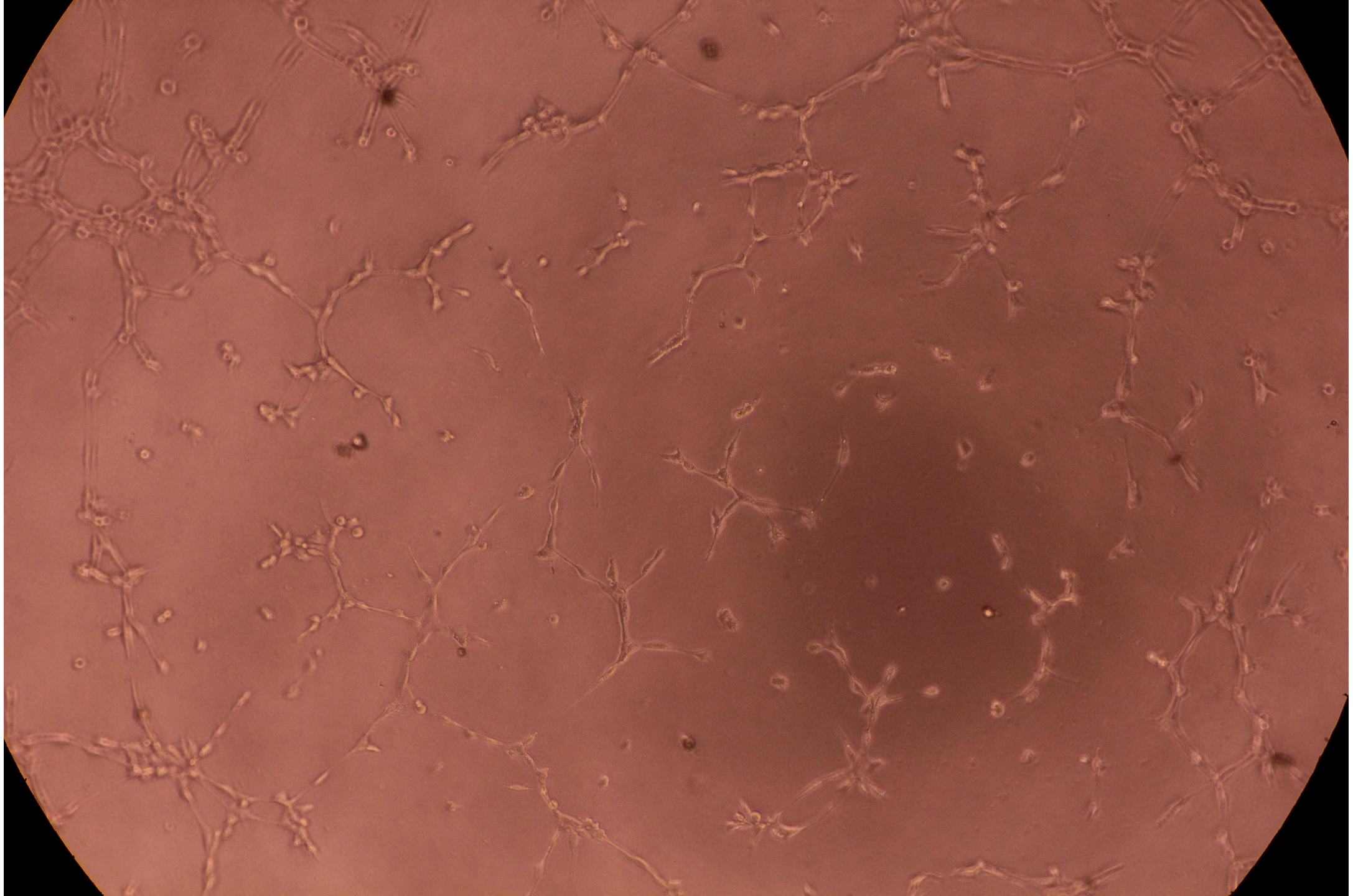
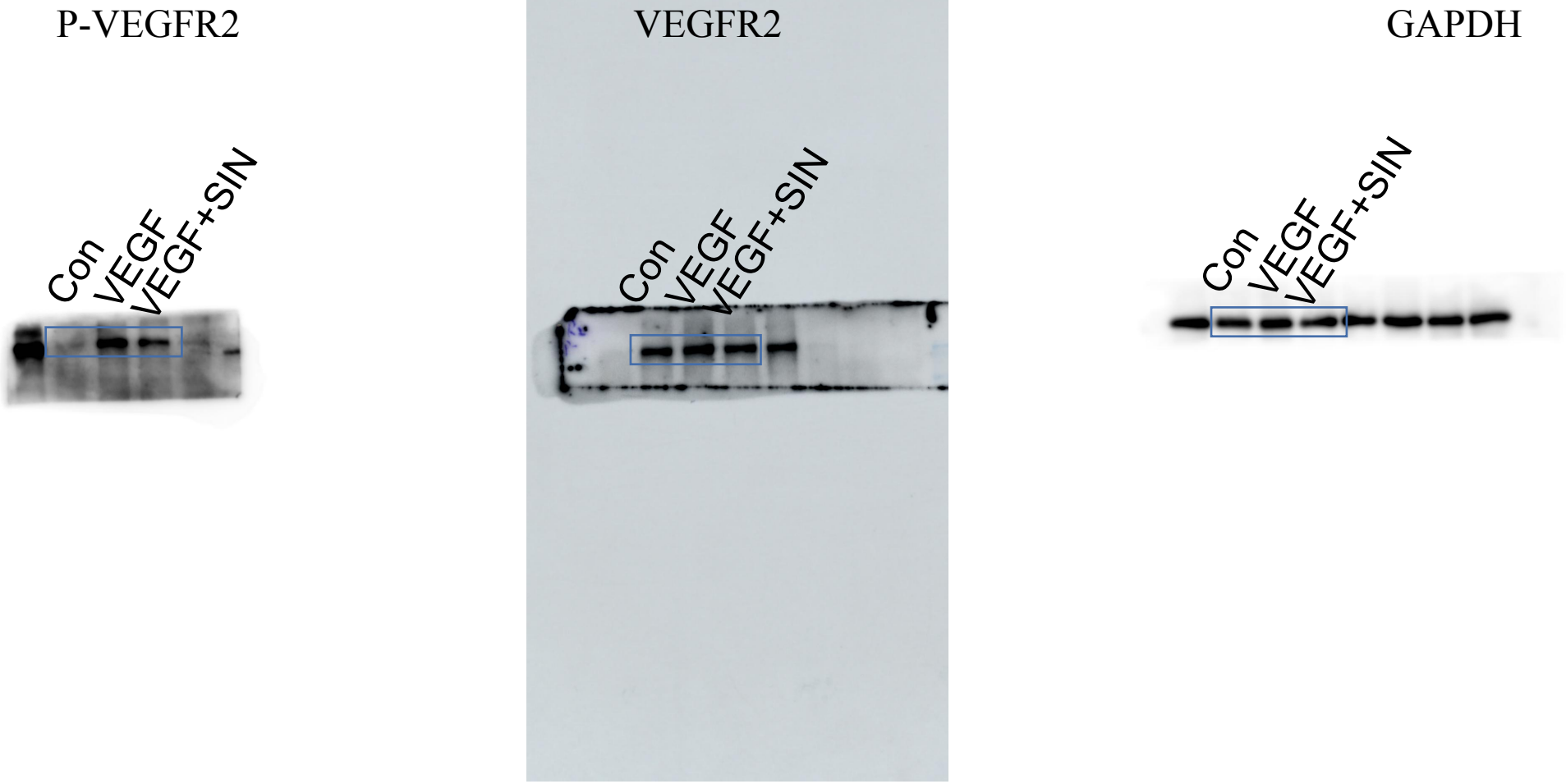
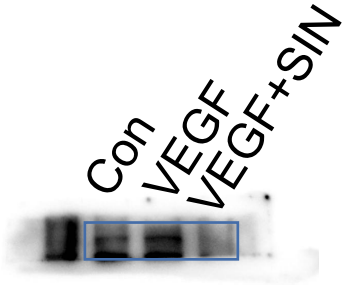


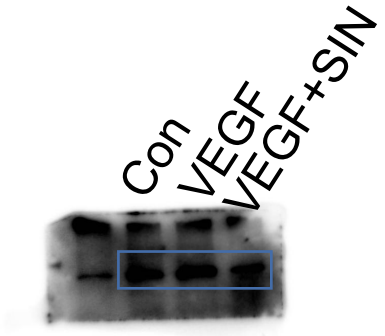
**Figure4A**


P-VEGFR2
VEGFR2
GAPDH
Con
VEGF
VEGF+SIN
Con
VEGF
VEGF+SIN
Con
VEGF
VEGF+SIN

P-VEGFR2

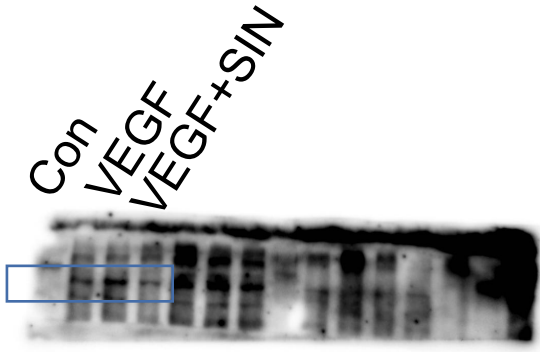



VEGFR2

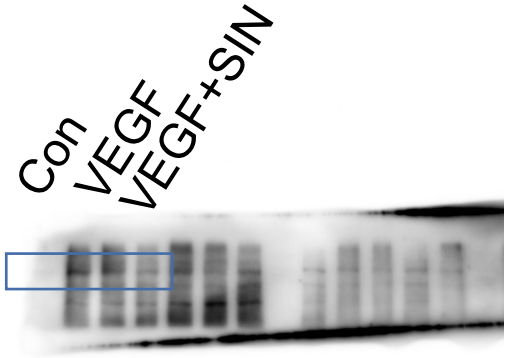



β-ACTIN

P-VEGFR2




VEGFR2




GAPDH

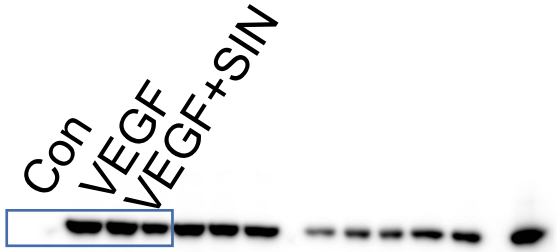
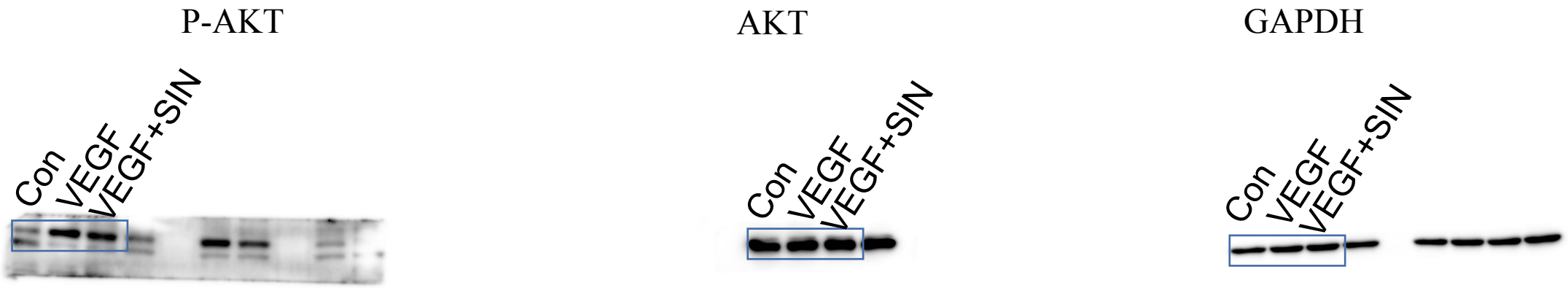
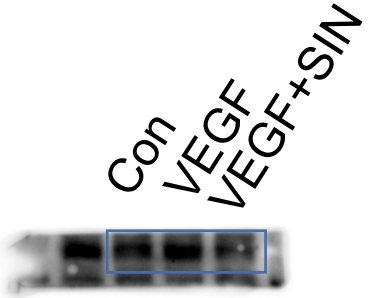


**Figure4B**


P-AKT
Con
VEGF
VEGF+SIN
AKT
Con
VEGF
VEGF+SIN
GAPDH
Con
VEGF
VEGF+SIN

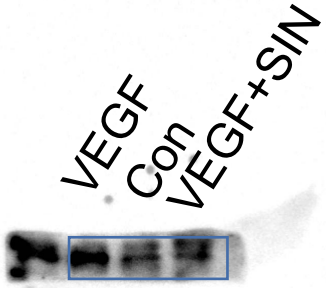
P-AKT



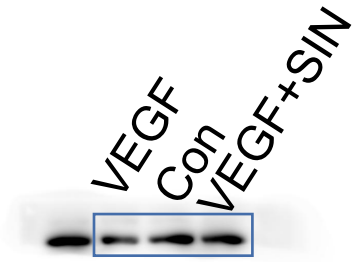

AKT

GAPDH

P-AKT




AKT




GAPDH

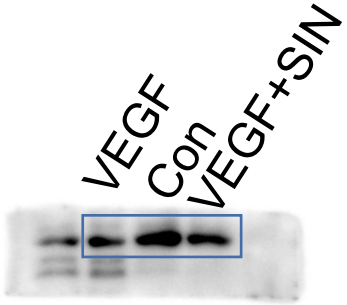
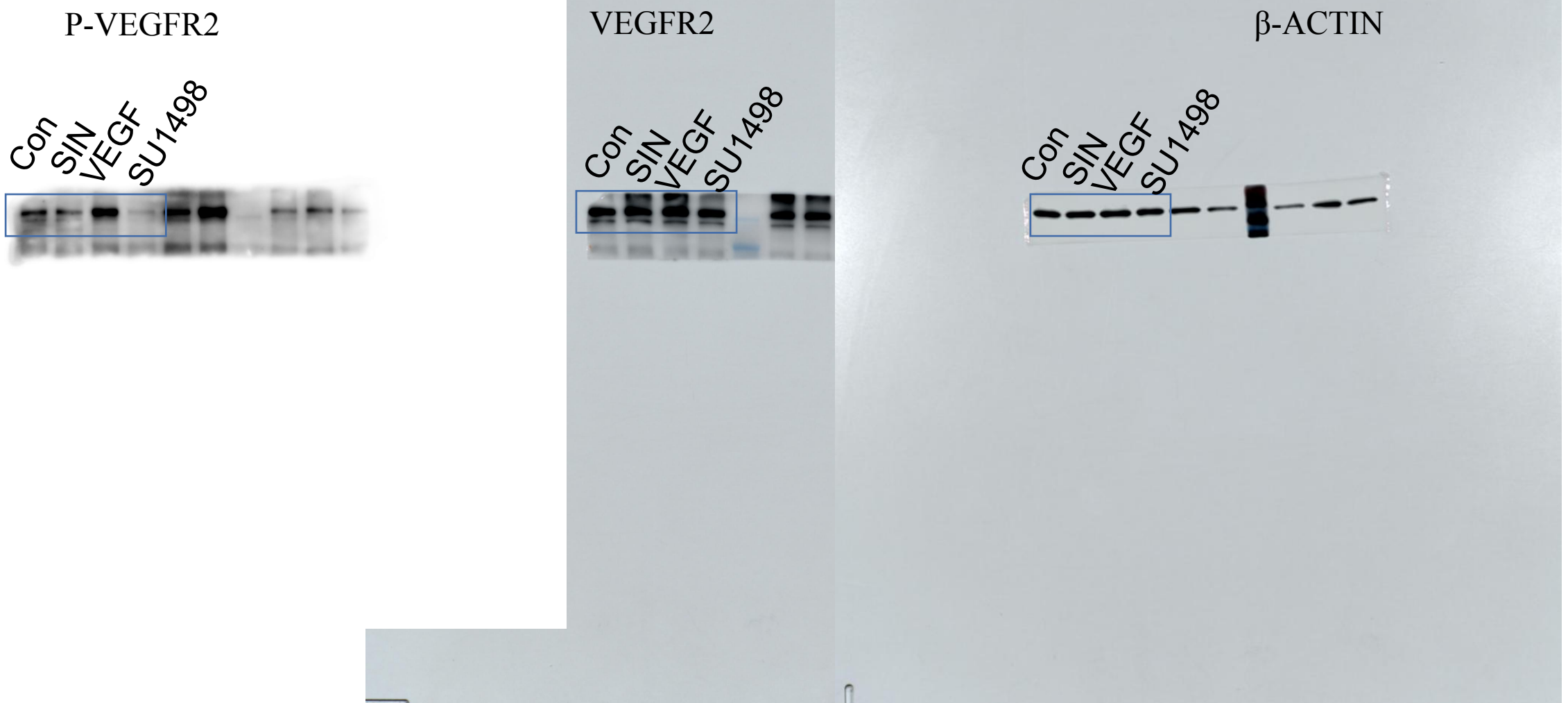
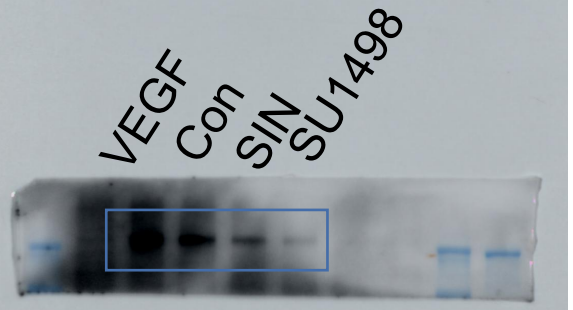


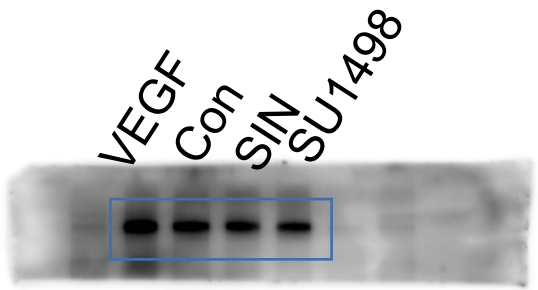
**Figure5A**


P-VEGFR2
Con
SIN
VEGF
SU1498
VEGFR2
Con
SIN
VEGF
SU1498
β-ACTIN
Con
SIN
VEGF
SU1498

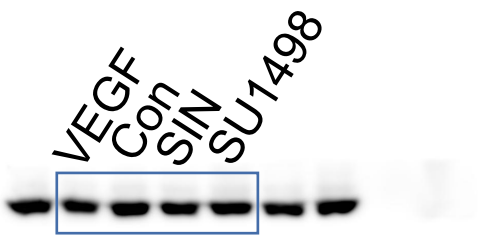
P-VEGFR2



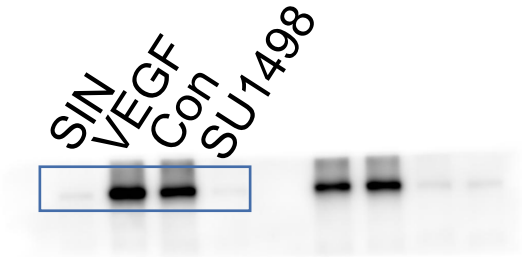

VEGFR2



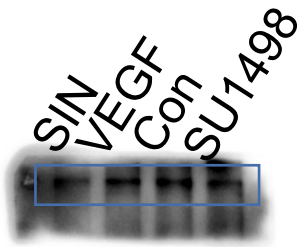

β-ACTIN



P-VEGFR2




VEGFR2




GAPDH

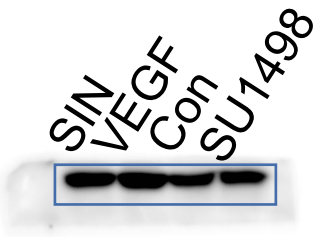
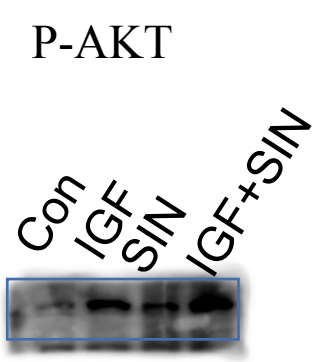
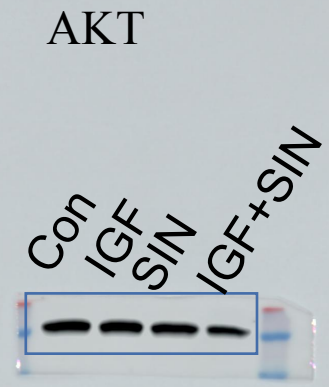
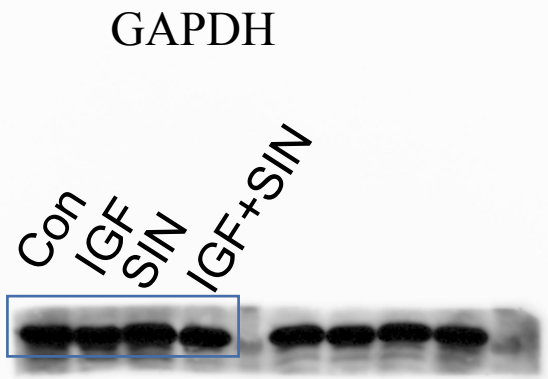


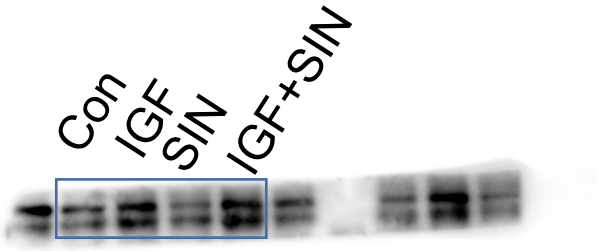
**Figure5B**


P-AKT
Con
IGF
SIN
IGF+SIN

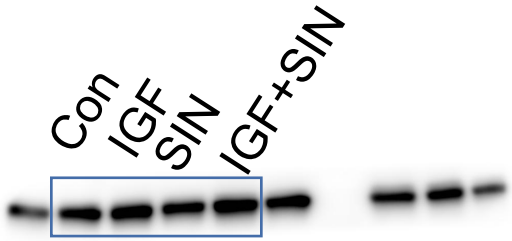

AKT
Con
IGF
SIN
IGF+SIN


GAPDH
Con
IGF
SIN
IGF+SIN

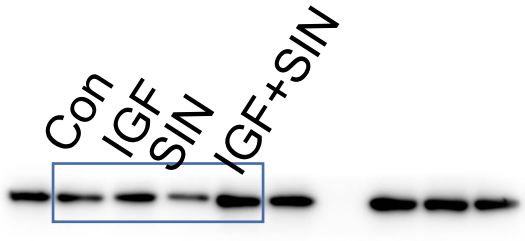
P-AKT



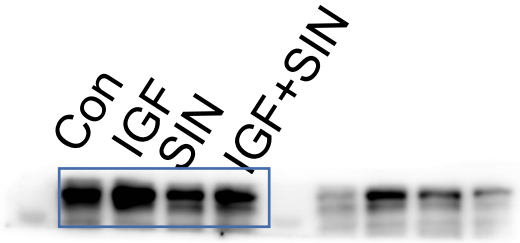

AKT



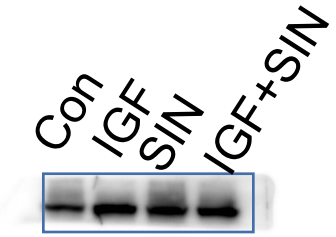

GAPDH



P-AKT




AKT




GAPDH

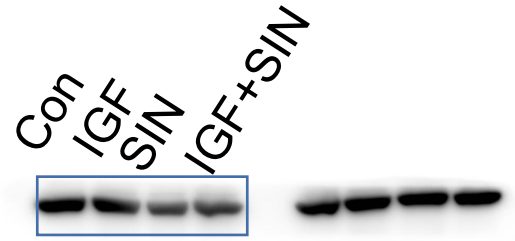


**Figure6A**

**Figure6B**

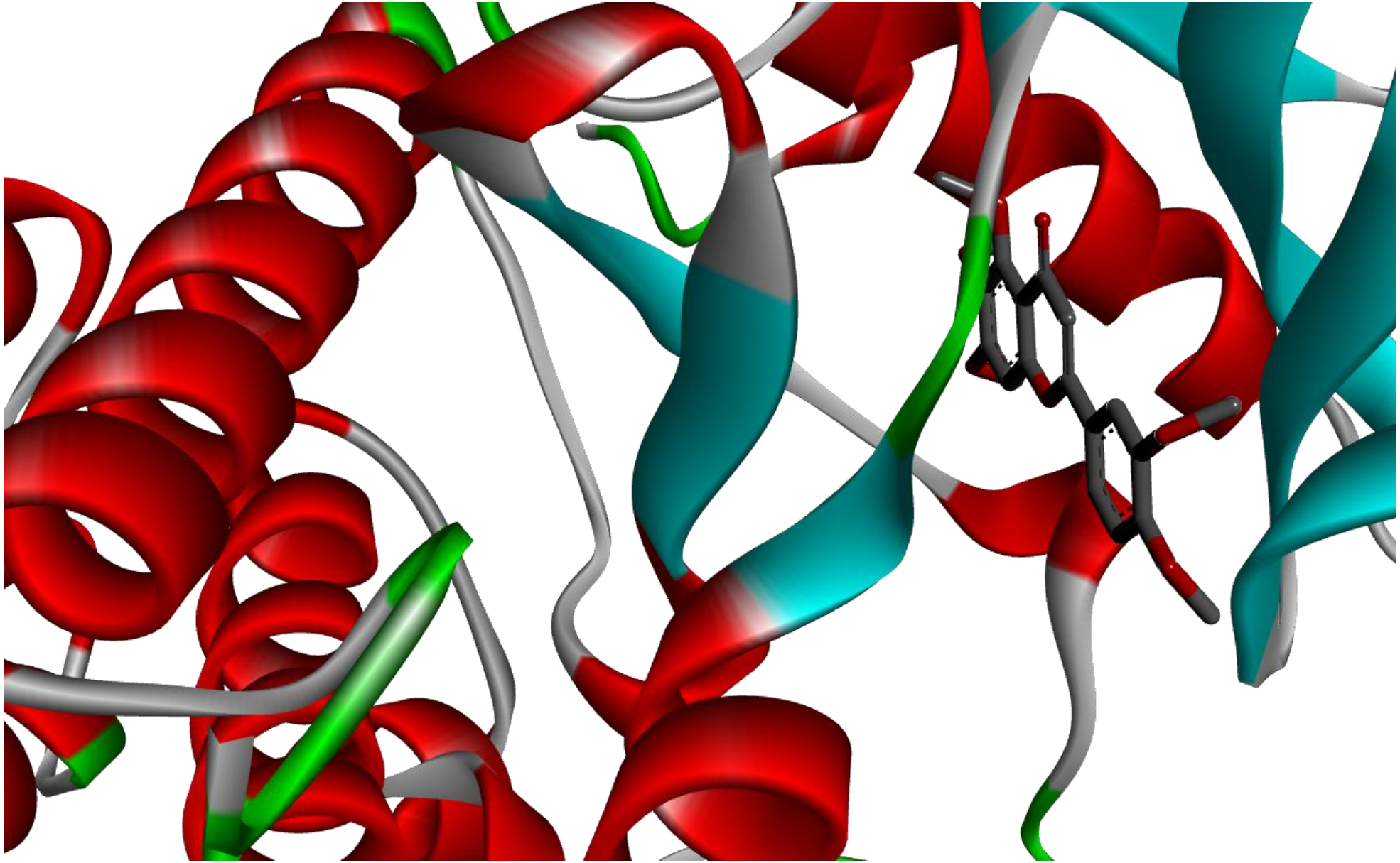


**Figure6C**

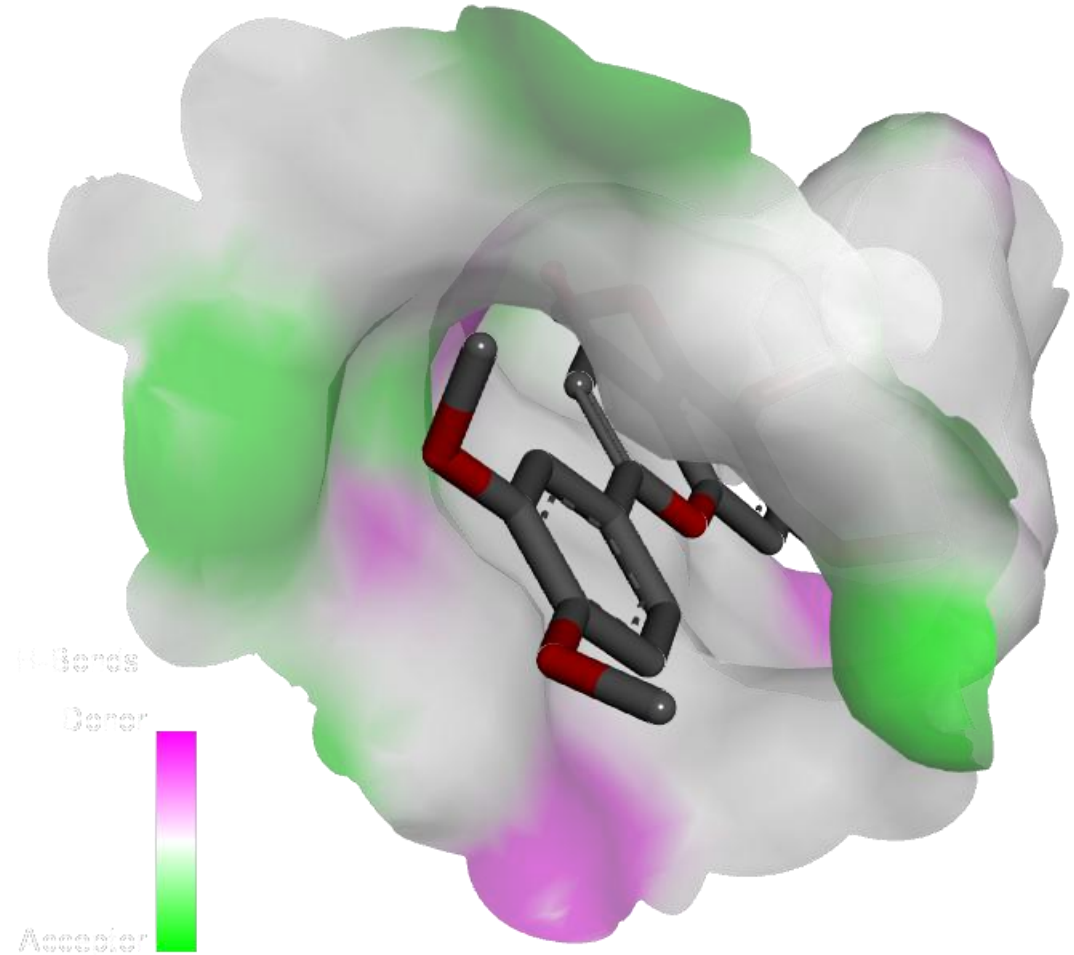
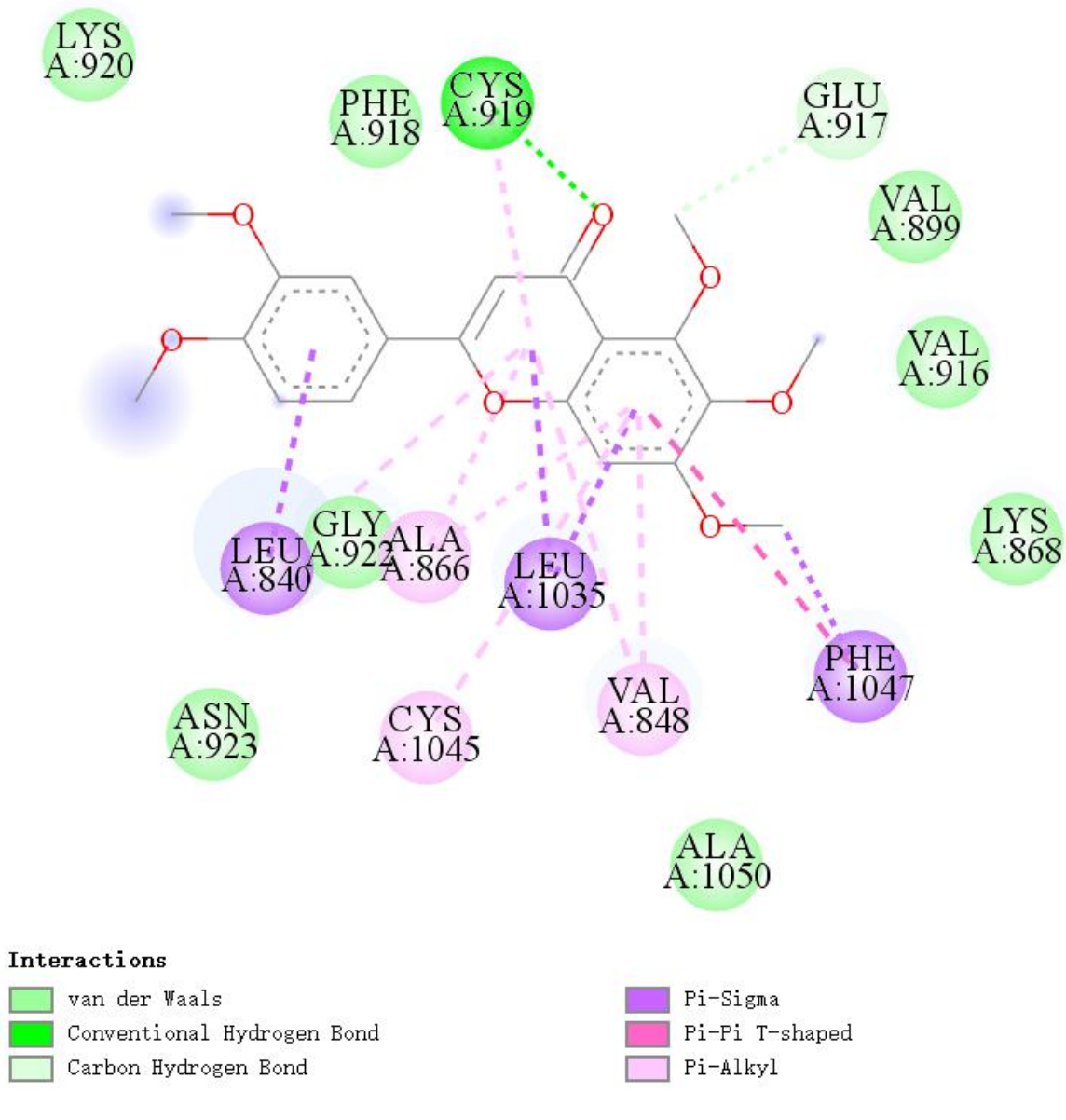


**Figure6D**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PHE A:918
CYS A:919
GLU A:917
VAL A:899
VAL A:916
LYS A:868
LEU A:840
GLY A:922
ALA A:866
LEU A:1035
PHE A:1047
VAL A:848
ASN A:923
CYS A:1045
ALA A:1050
Interactions
van der Waals
Conventional Hydrogen Bond
Carbon Hydrogen Bond
Pi-Sigma
Pi-Pi T-shaped
Pi-Alkyl