FIG. 1A

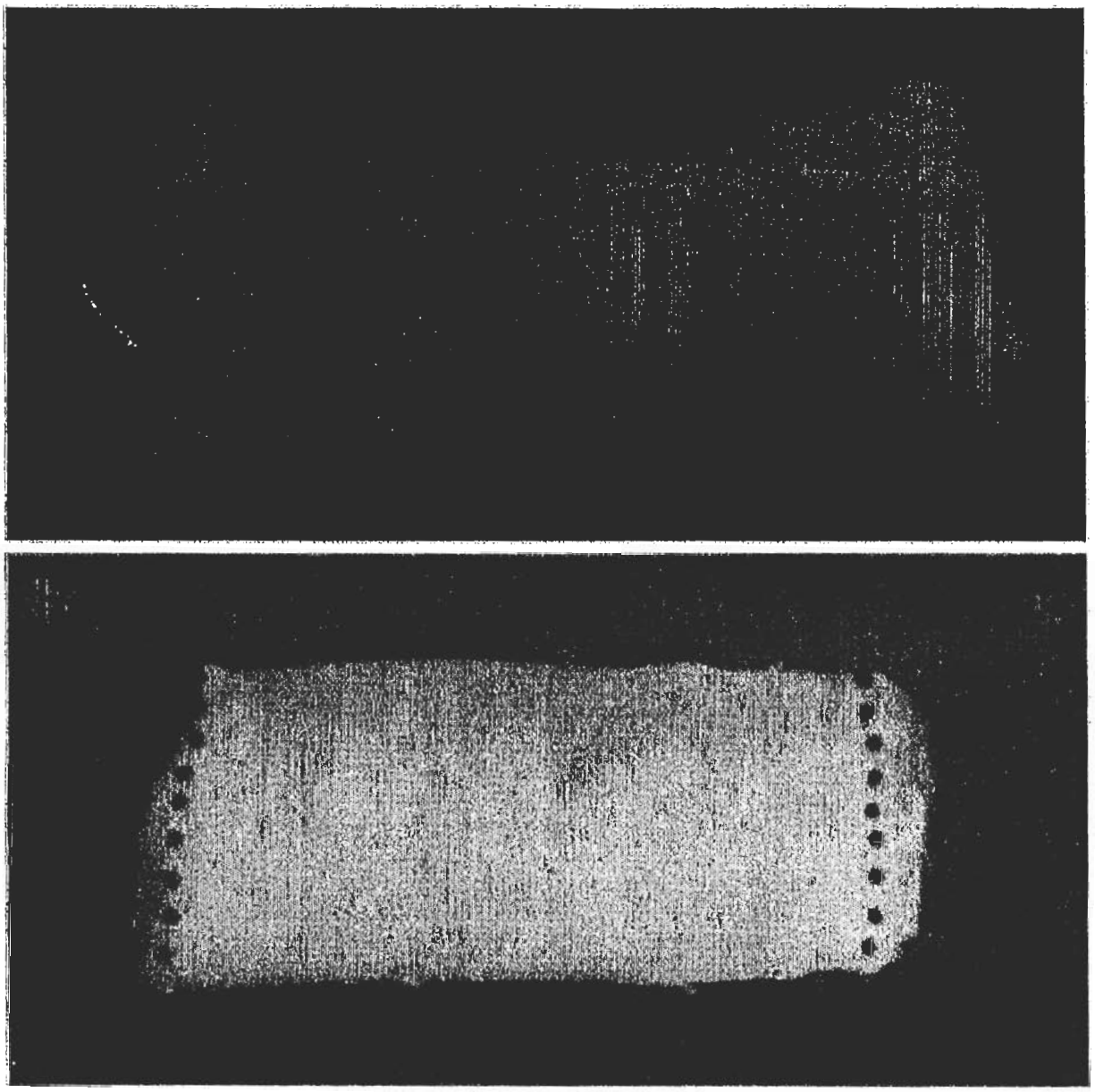


FIG. 1B

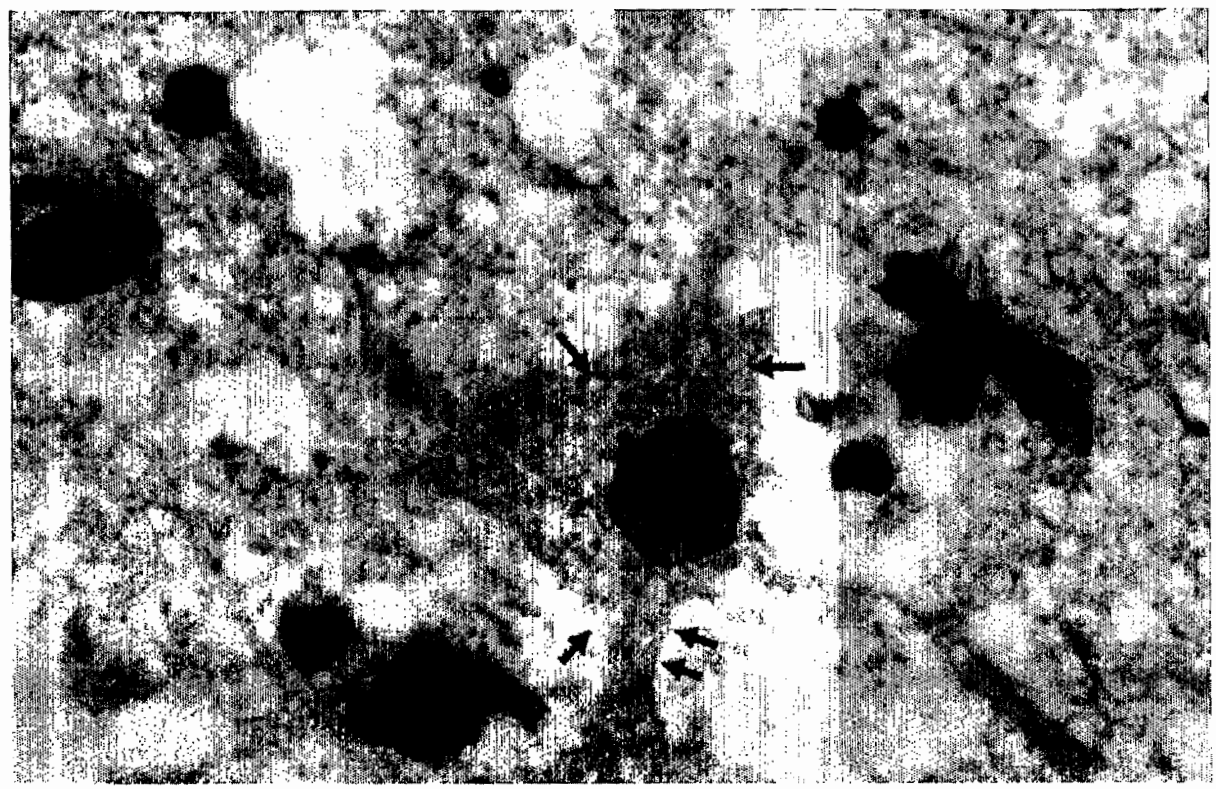


FIG. 2

FIG. 3A

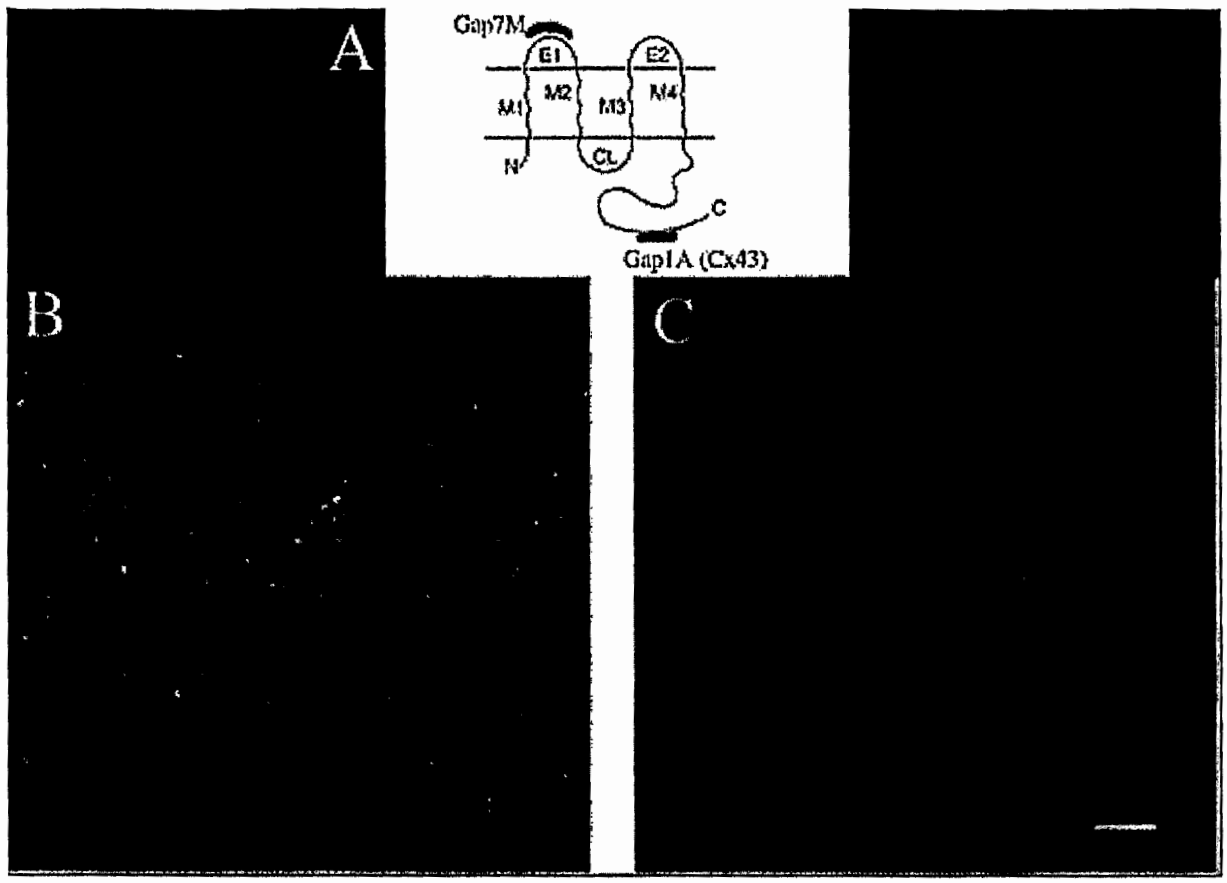


FIG. 3B FIG. 3C

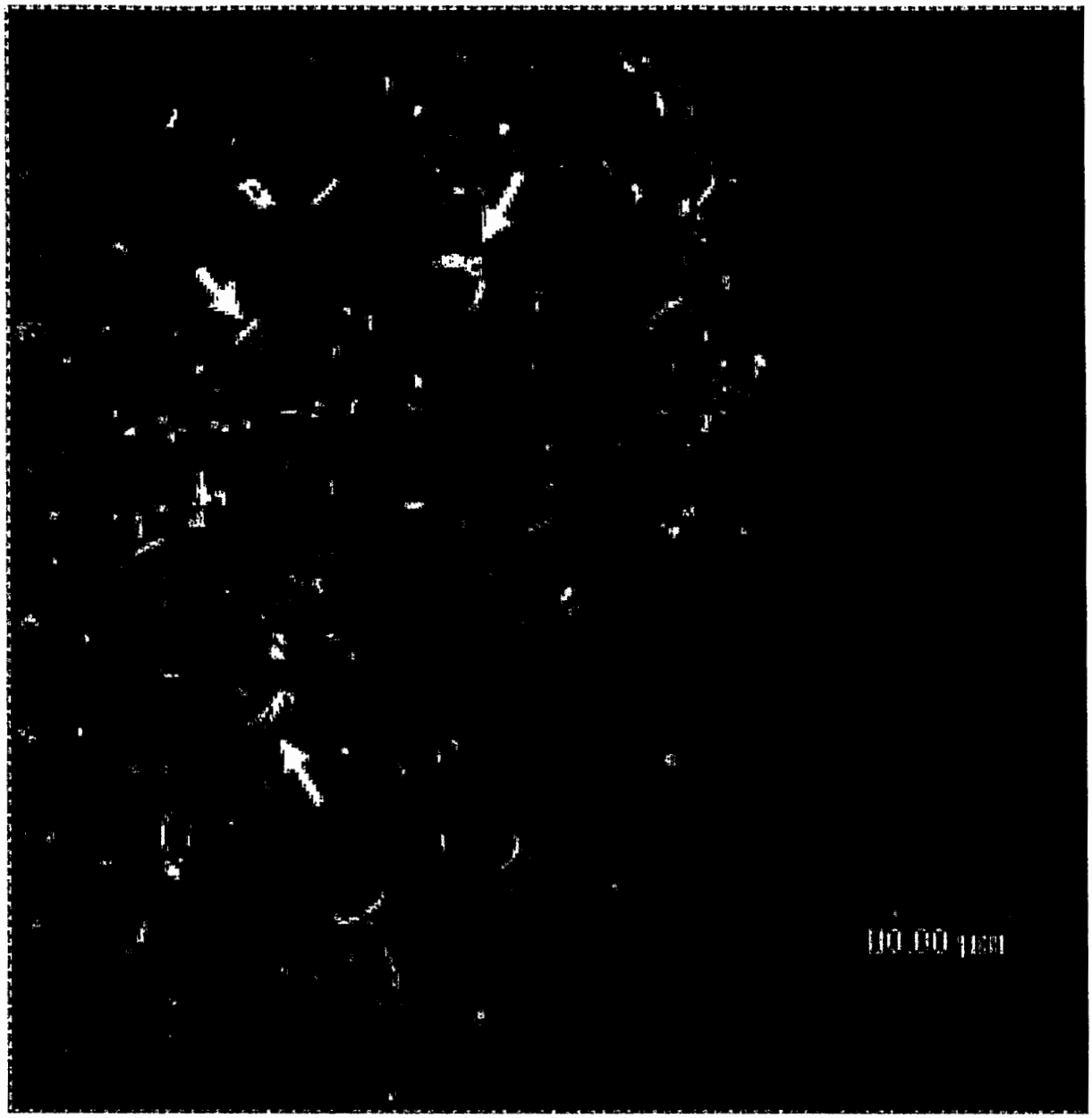


FIG. 4

FIG. 5A

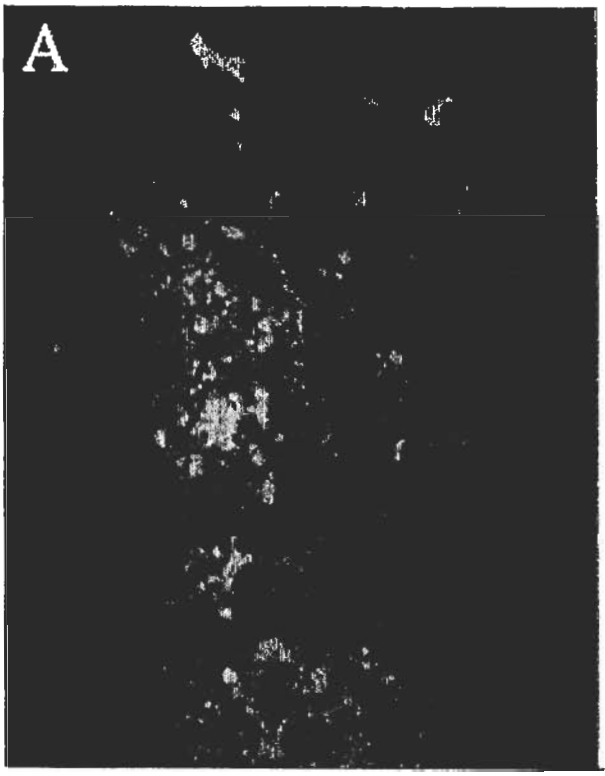
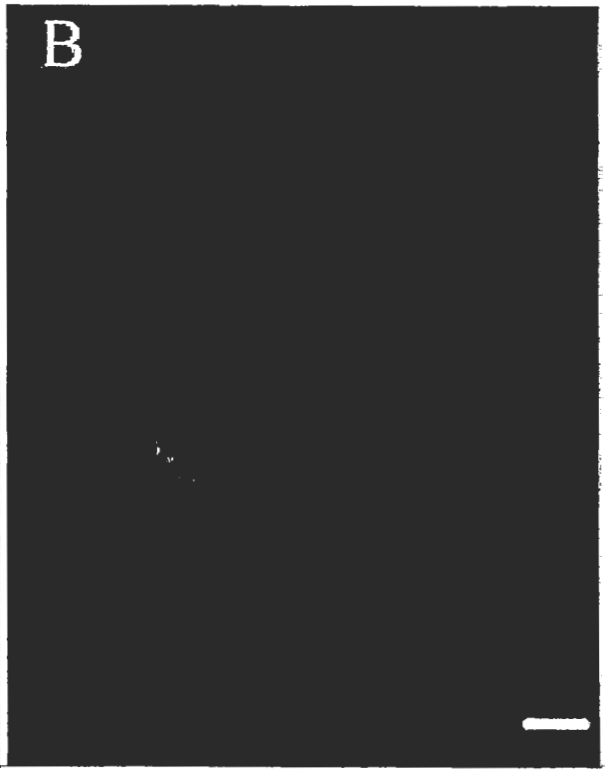


FIG. 5B



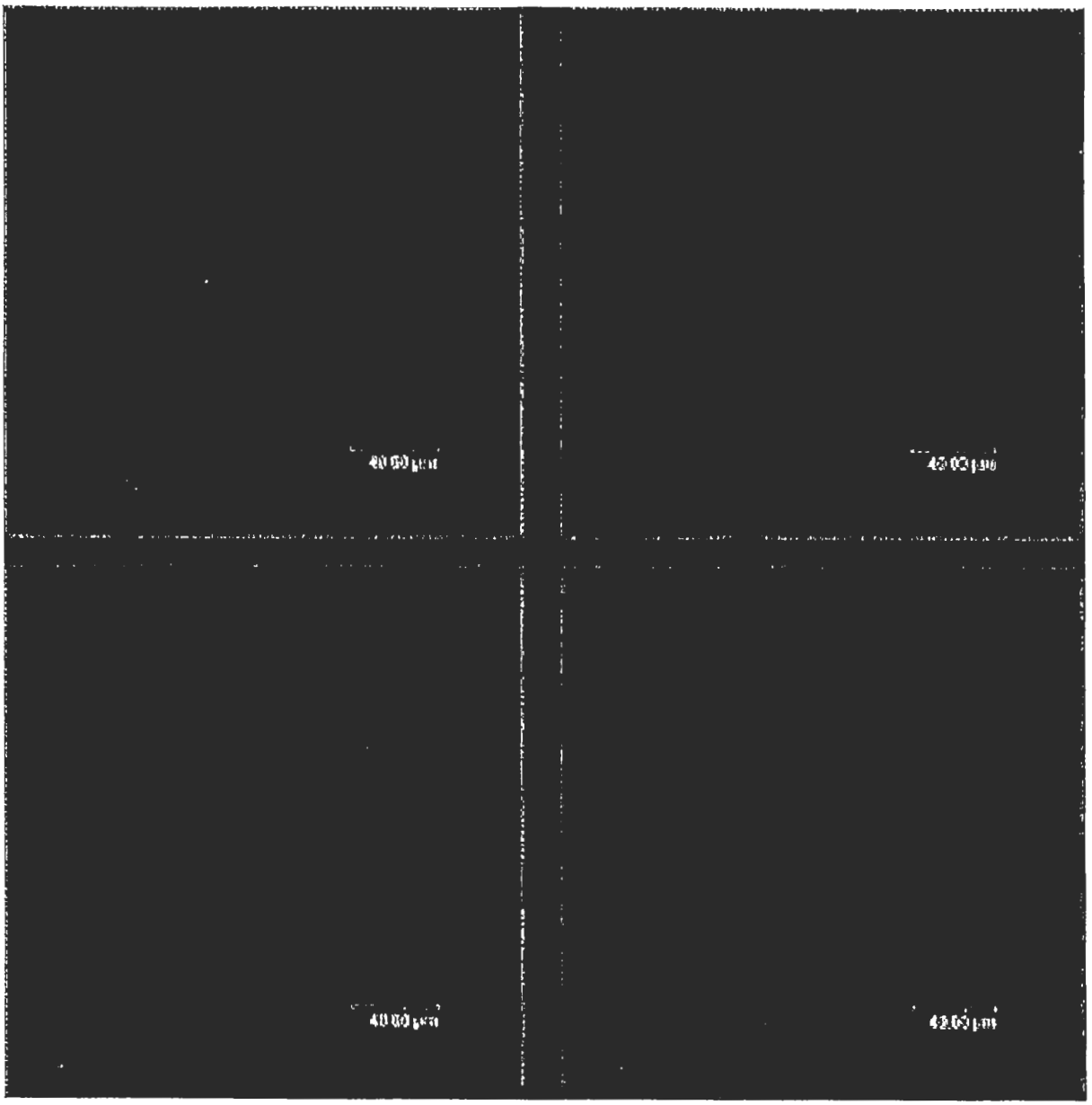


FIG. 6A

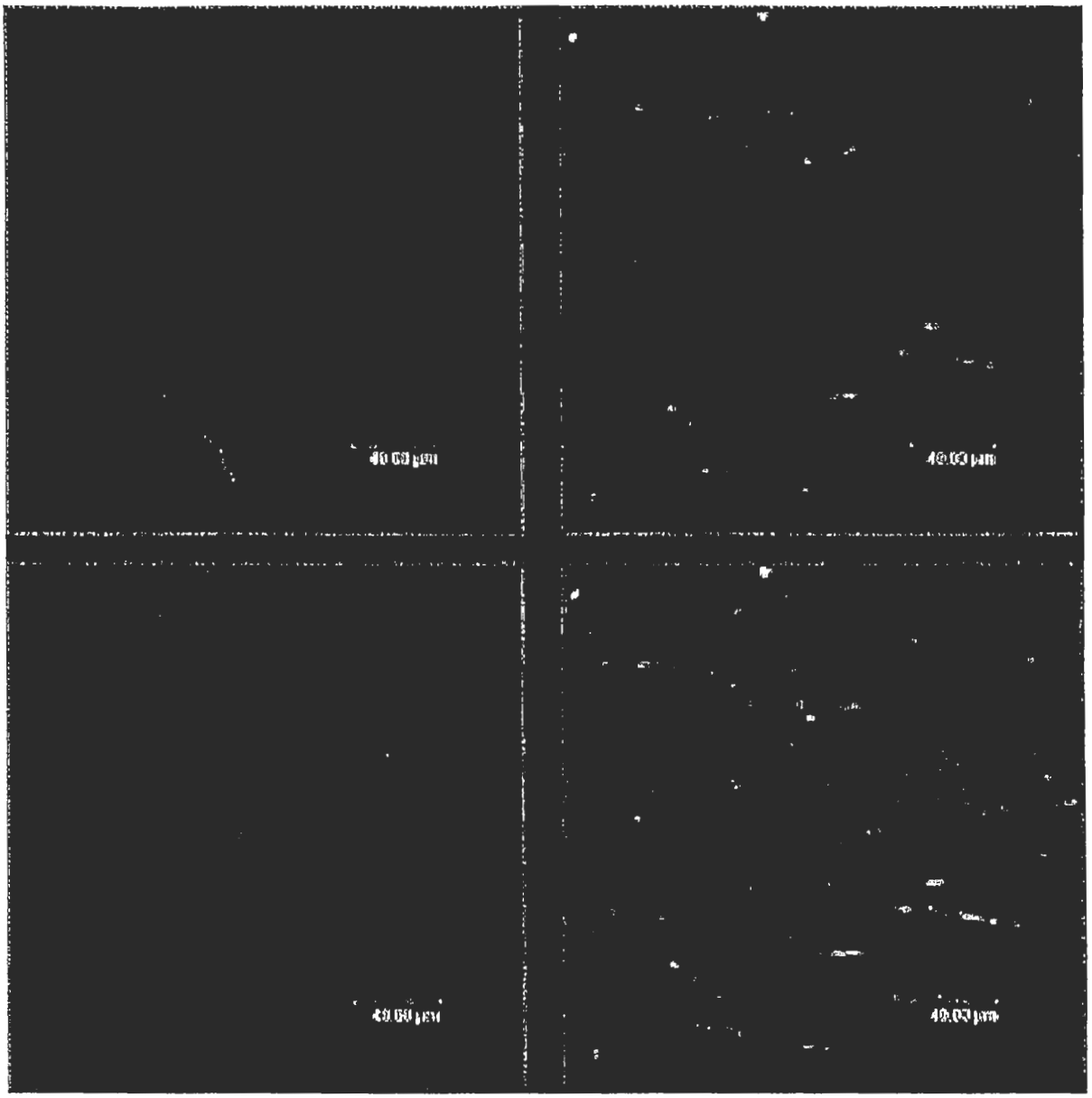


FIG. 6B

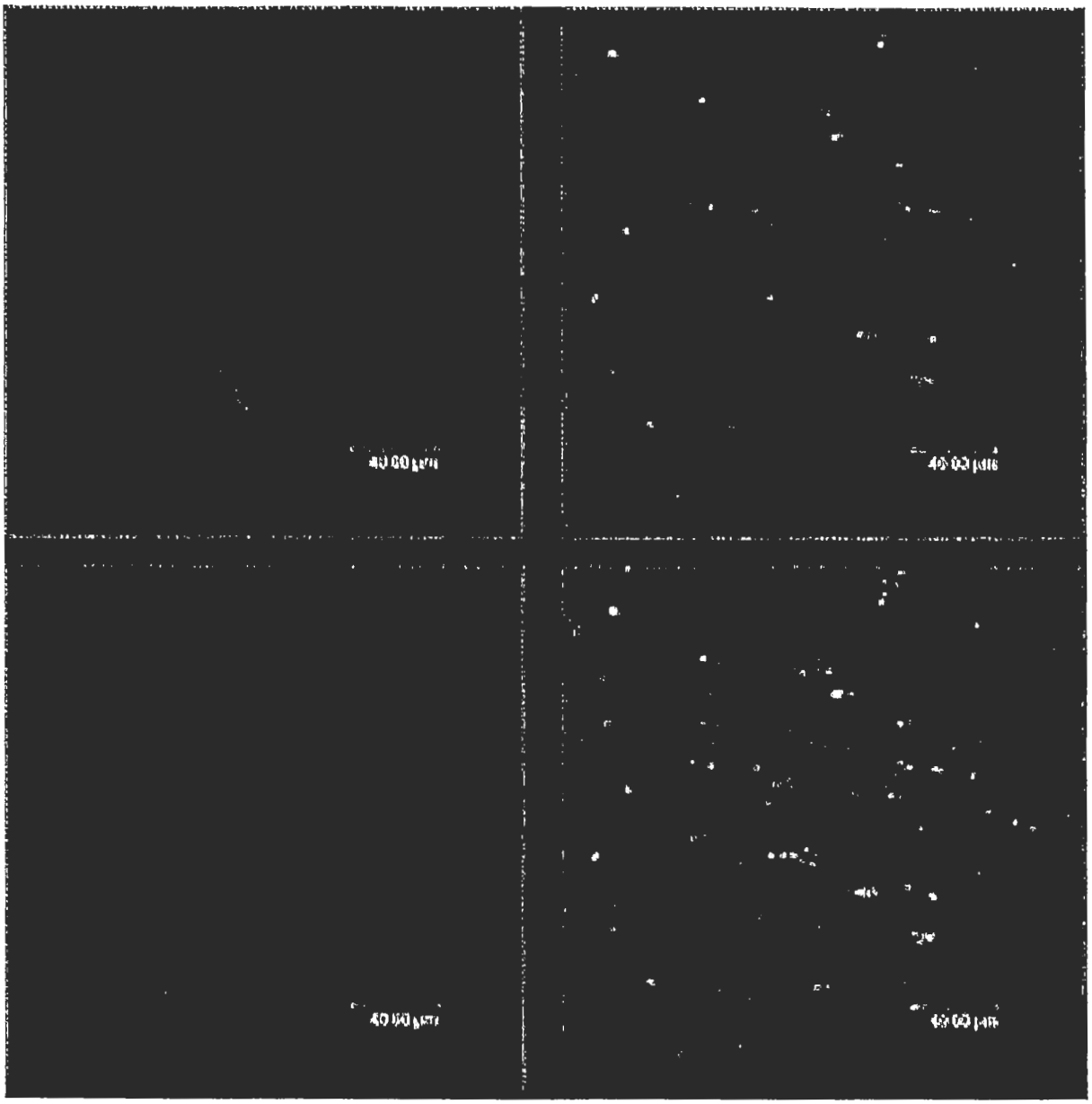


FIG. 6C

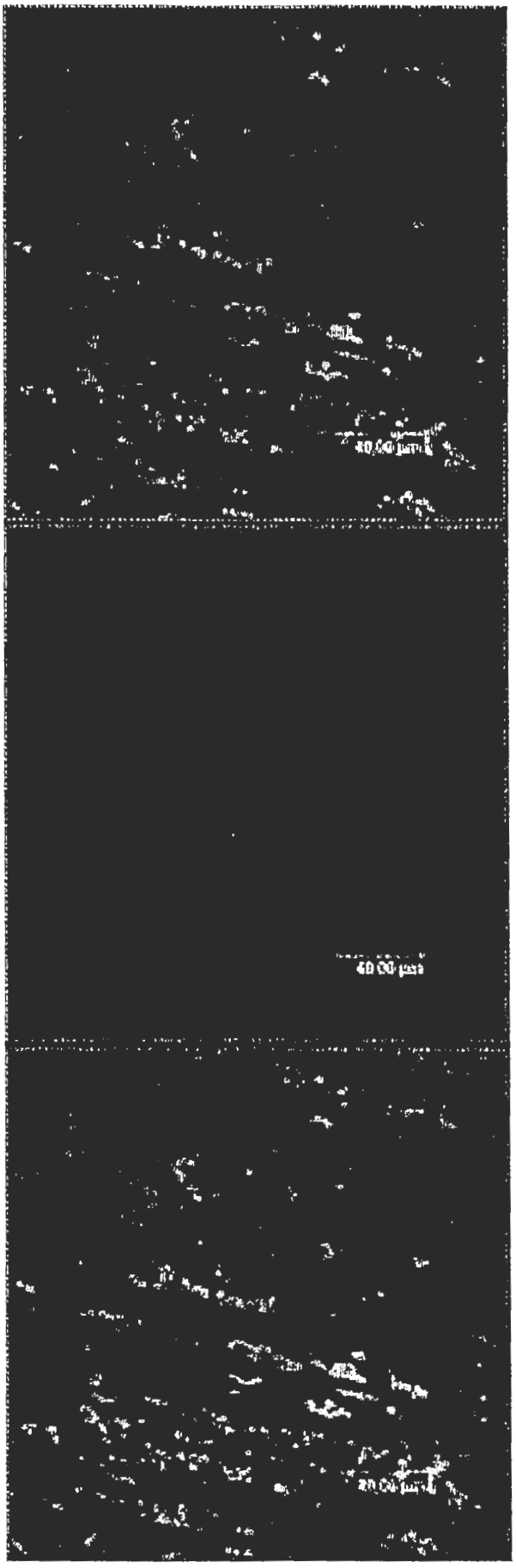
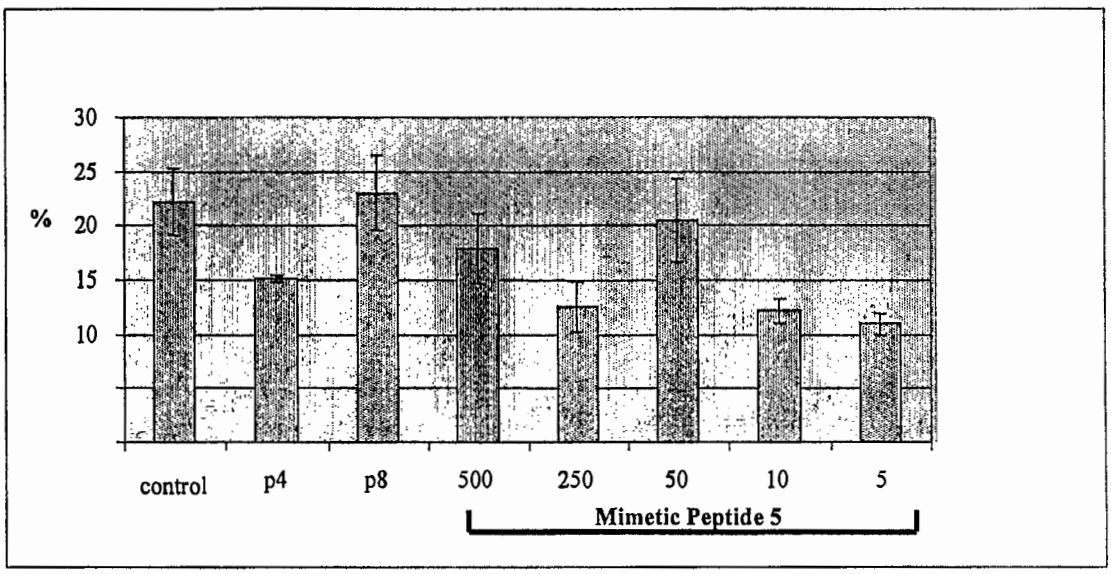


FIG. 7

FIG. 8



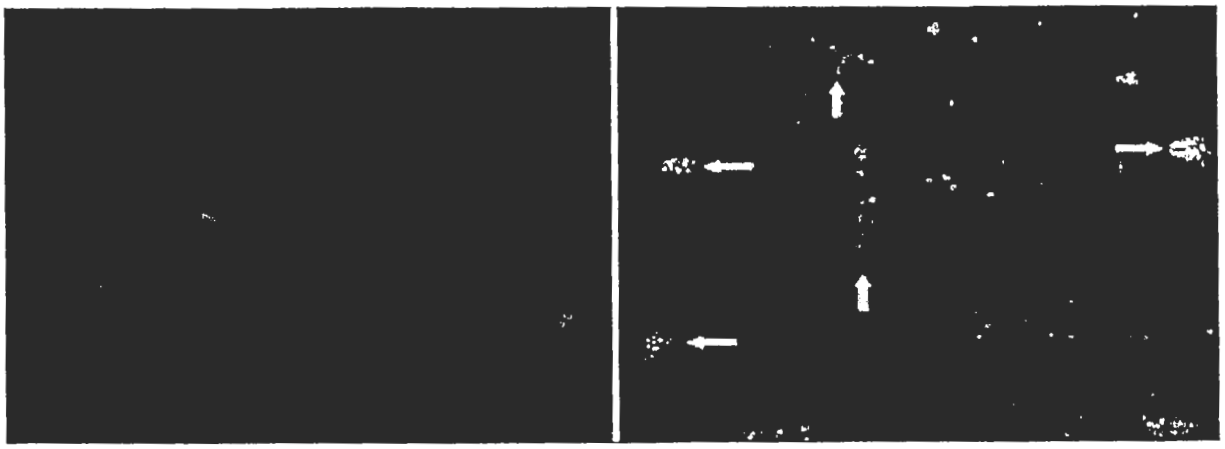


FIG. 9

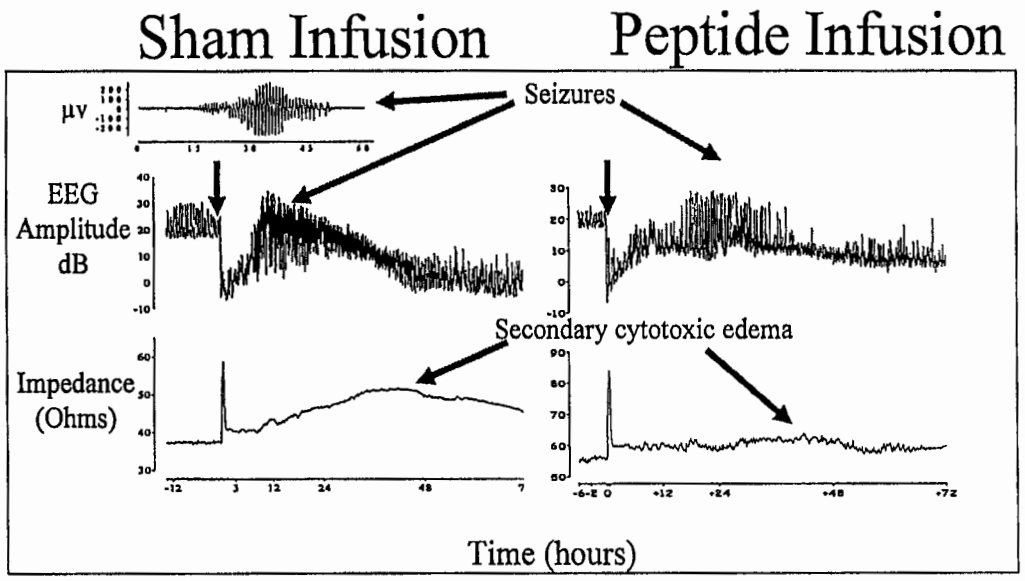

Sham Infusion
Peptide Infusion
μv
Seizures
EEG
Amplitude
dB
Secondary cytotoxic edema
Impedance
(Ohms)
Time (hours)

FIG. 10

FIG. 11A

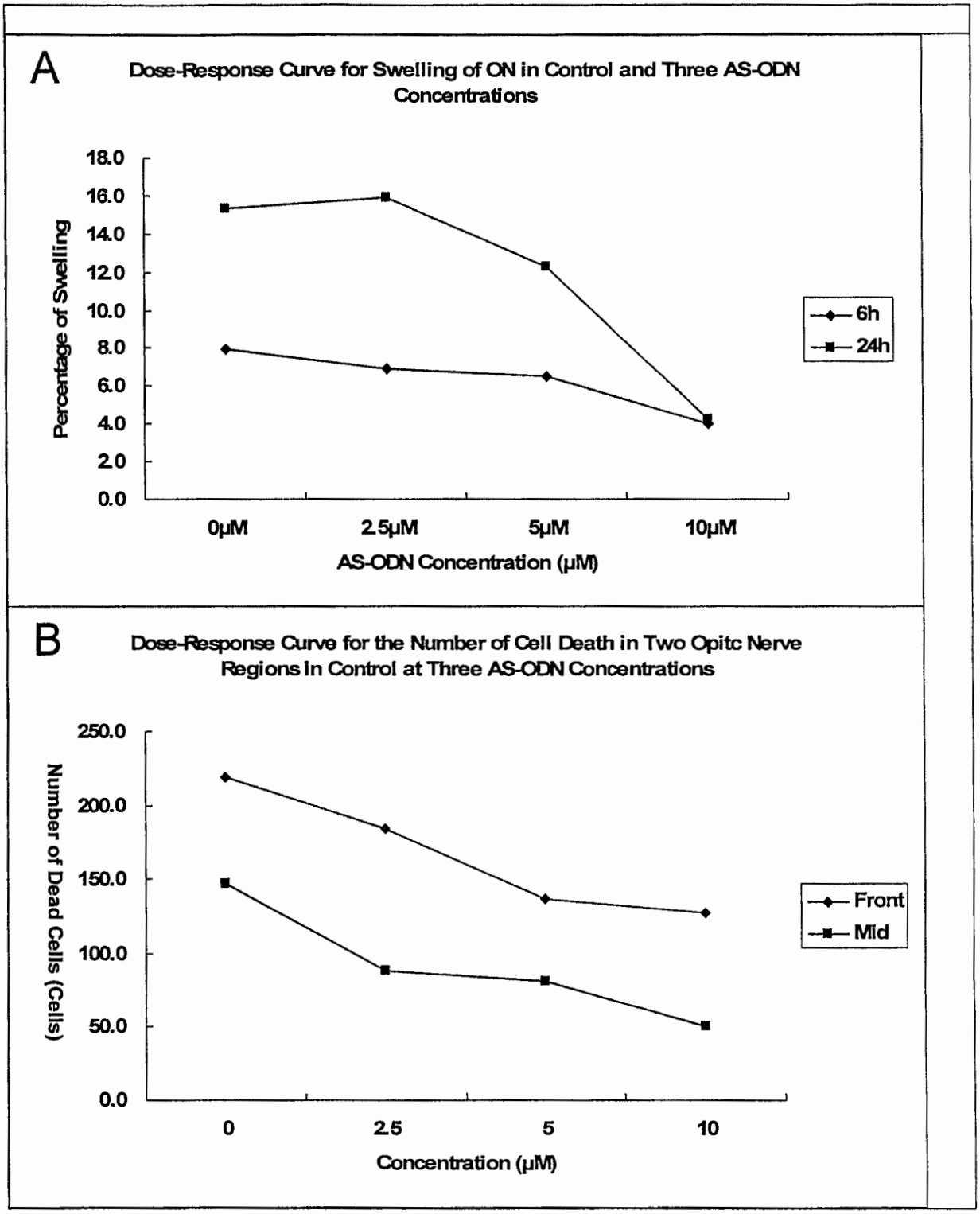


FIG. 11B

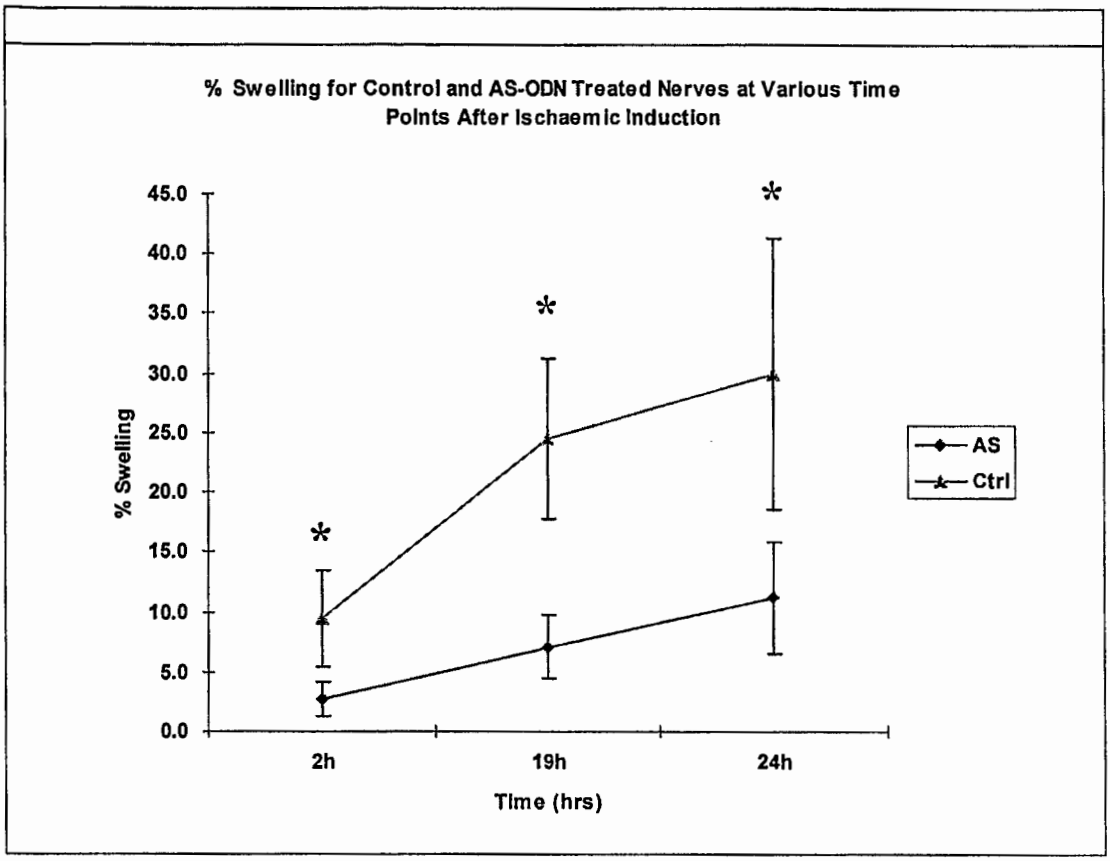

% Swelling for Control and AS-ODN Treated Nerves at Various Time Points After Ischaemic Induction
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
% Swelling
2h
19h
24h
Time (hrs)
AS
Ctrl
*
*
*

FIG. 12

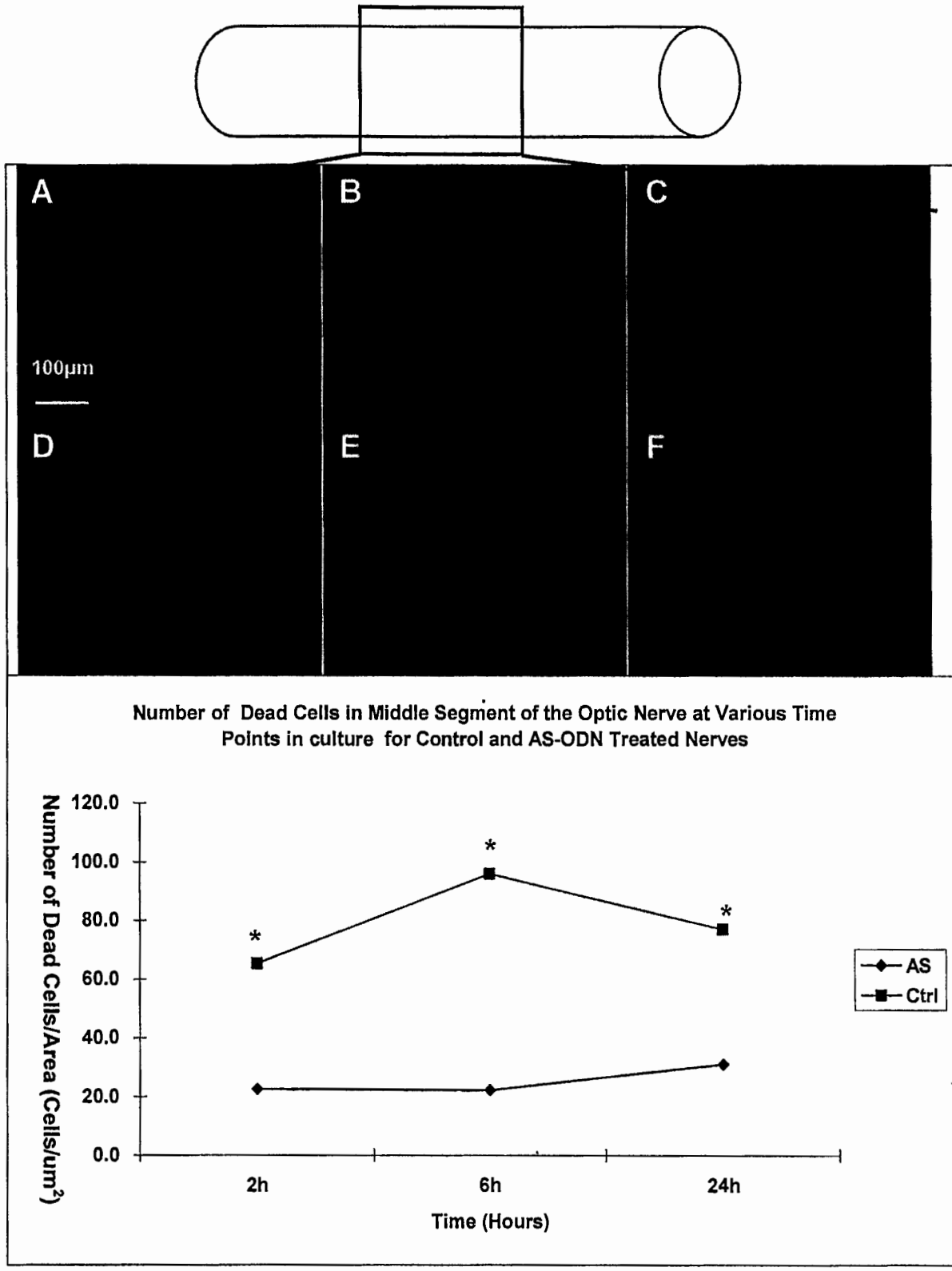

A
B
C
100µm
D
E
F
Number of Dead Cells in Middle Segment of the Optic Nerve at Various Time Points in culture for Control and AS-ODN Treated Nerves
Number of Dead Cells/Area (Cells/um²)
120.0
100.0
80.0
60.0
40.0
20.0
0.0
2h
6h
24h
Time (Hours)
AS
Ctrl

FIG. 13

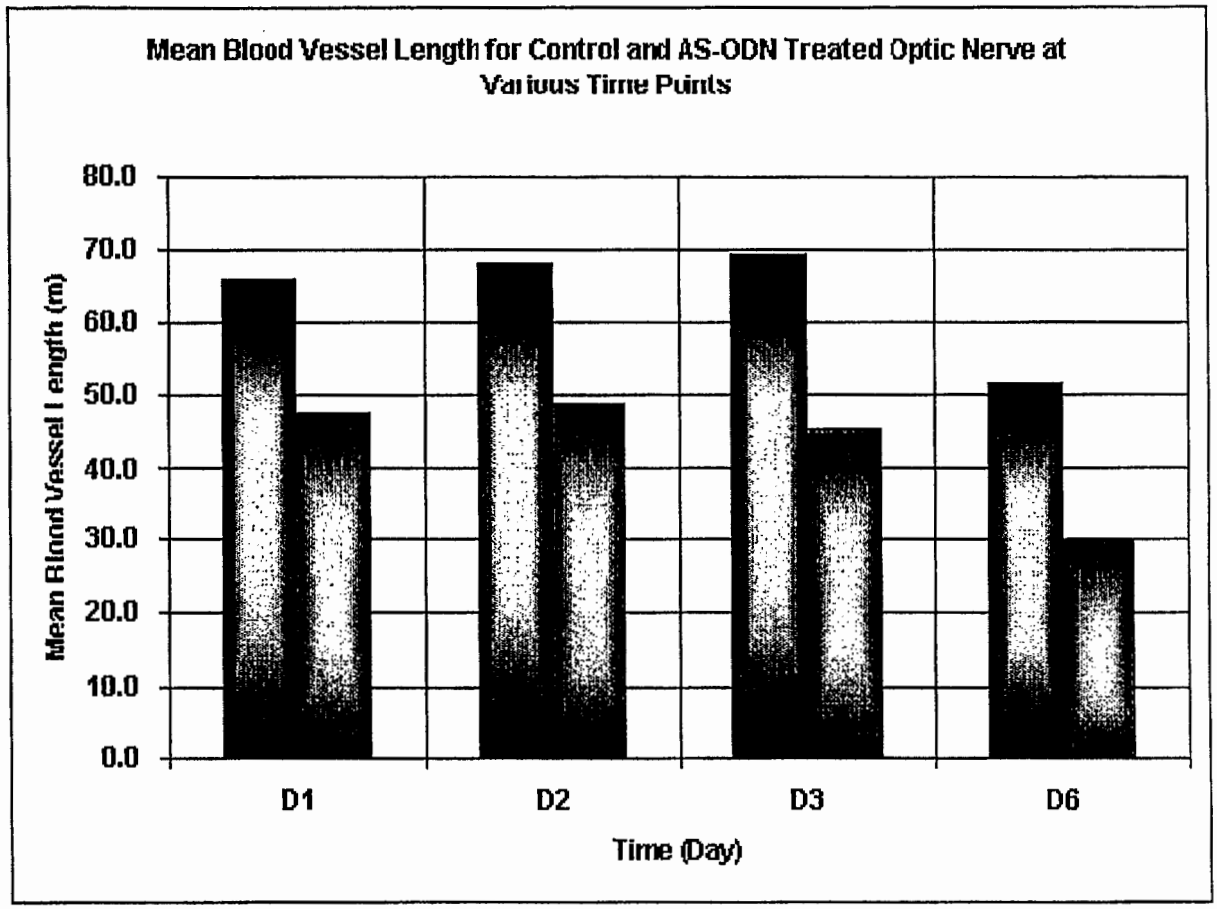

Mean Blood Vessel Length for Control and AS-ODN Treated Optic Nerve at Various Time Points
Mean Blood Vessel Length (m)
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
D1
D2
D3
D6
Time (Day)

FIG. 14