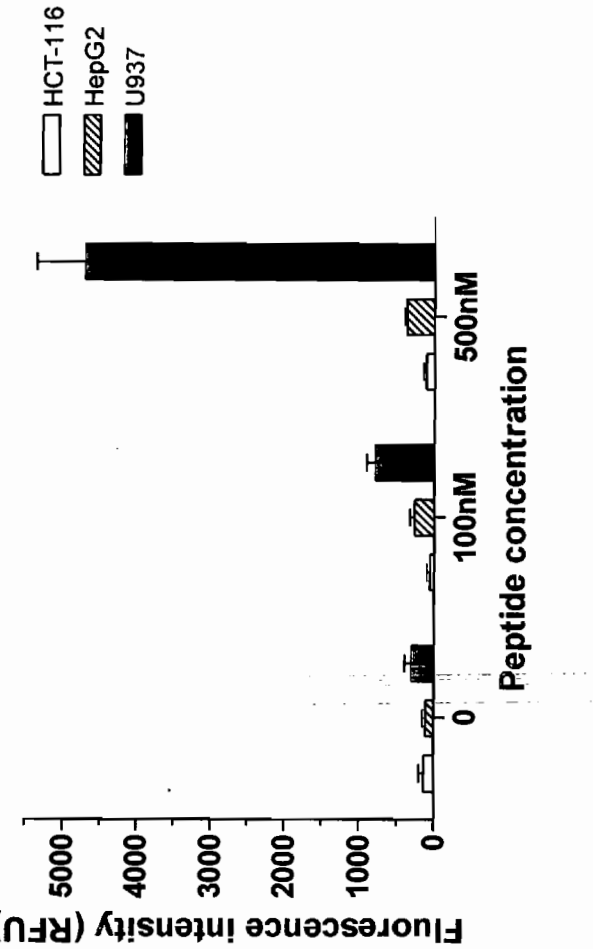
HCT-116
HepG2
U937
Fluorescence intensity (RFU)
5000
4000
3000
2000
1000
0
0
100nM
500nM
Peptide concentration

Fig. 1

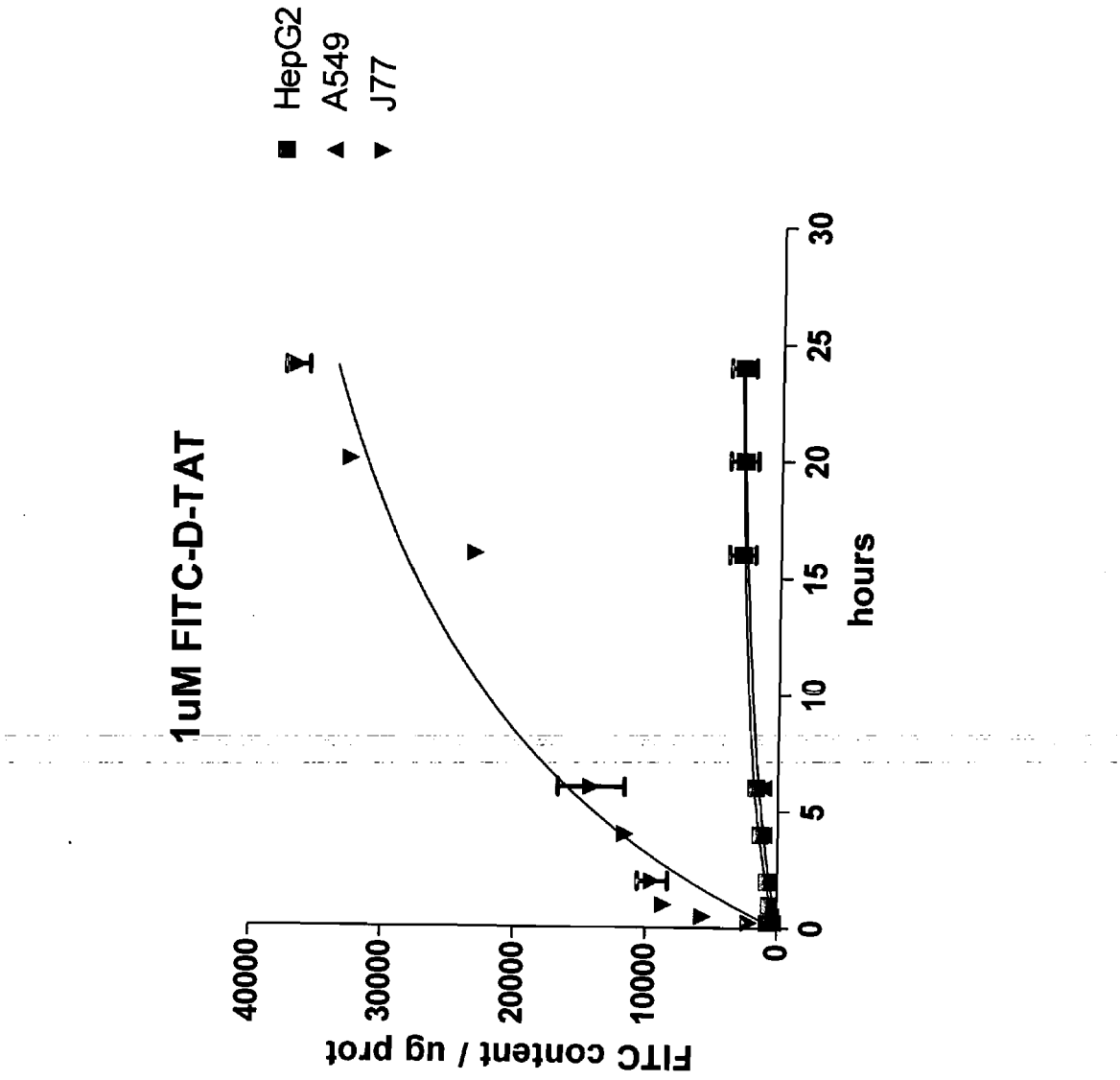
HepG2
A549
J77
1uM FITC-D-TAT
FITC content / ug prot
40000
30000
20000
10000
0
0
5
10
15
20
25
30
hours

Fig. 2

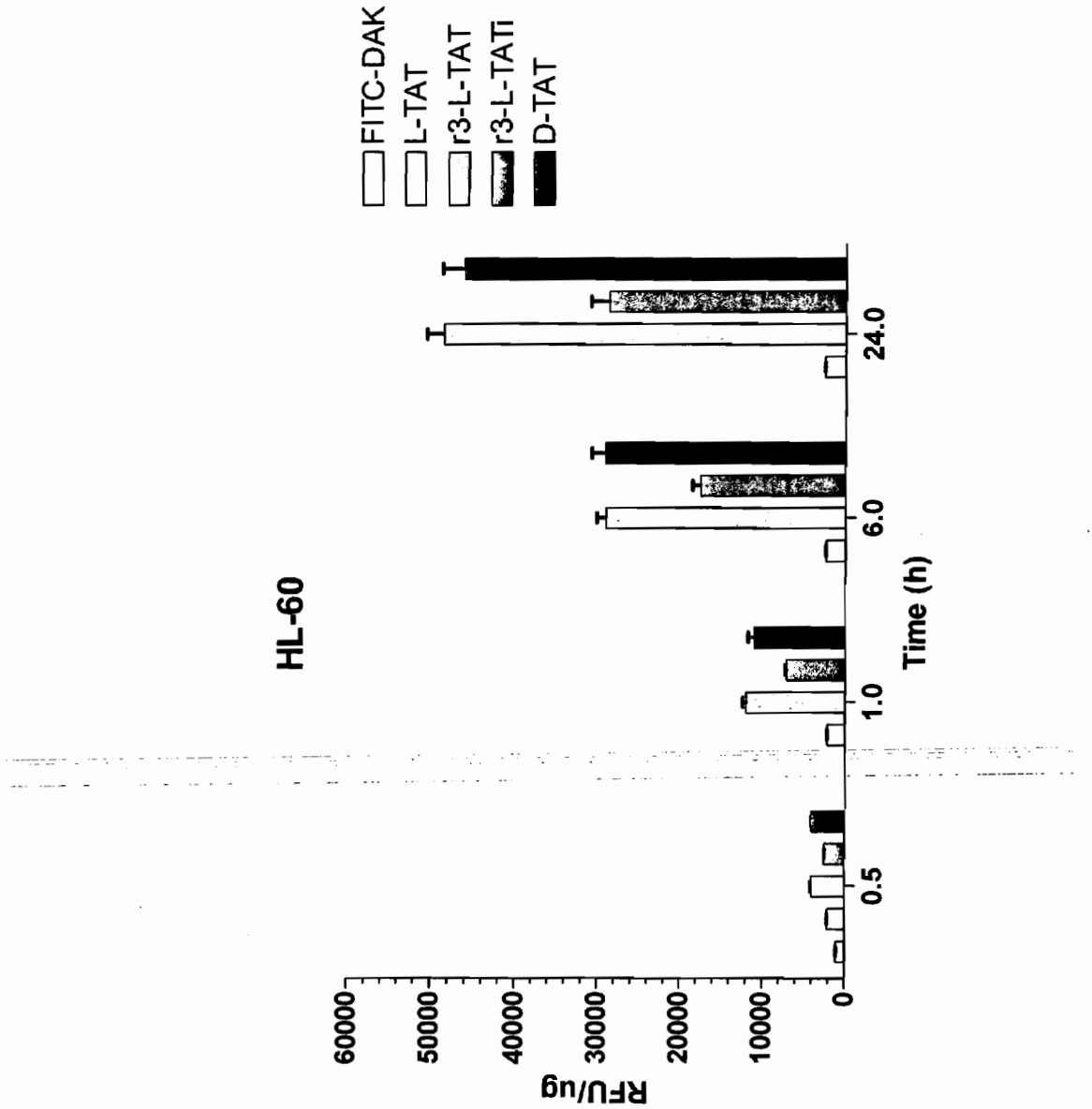
FITC-DAK
L-TAT
r3-L-TAT
r3-L-TATi
D-TAT
HL-60
RFU/ug
60000
50000
40000
30000
20000
10000
0
0.5
1.0
6.0
24.0
Time (h)

Fig. 3

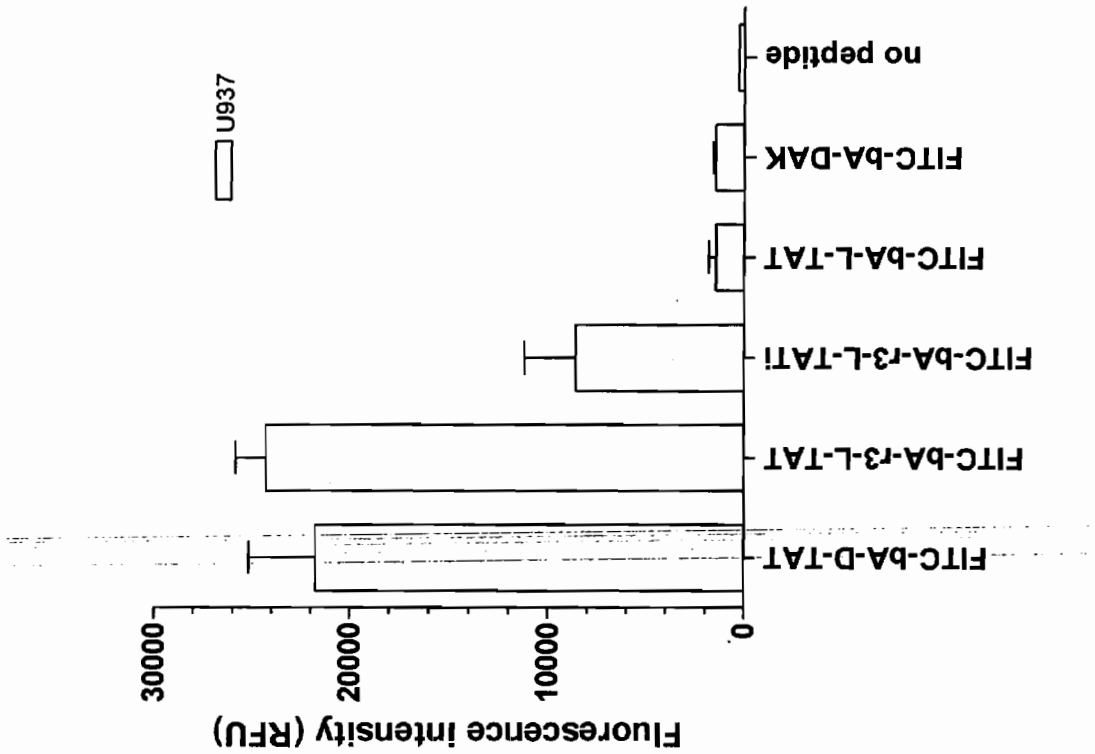
Fluorescence intensity (RFU)
30000
20000
10000
0
U937
FITC-bA-D-TAT
FITC-bA-r3-L-TAT
FITC-bA-r3-L-TATi
FITC-bA-L-TAT
FITC-bA-DAK
no peptide

Fig. 4

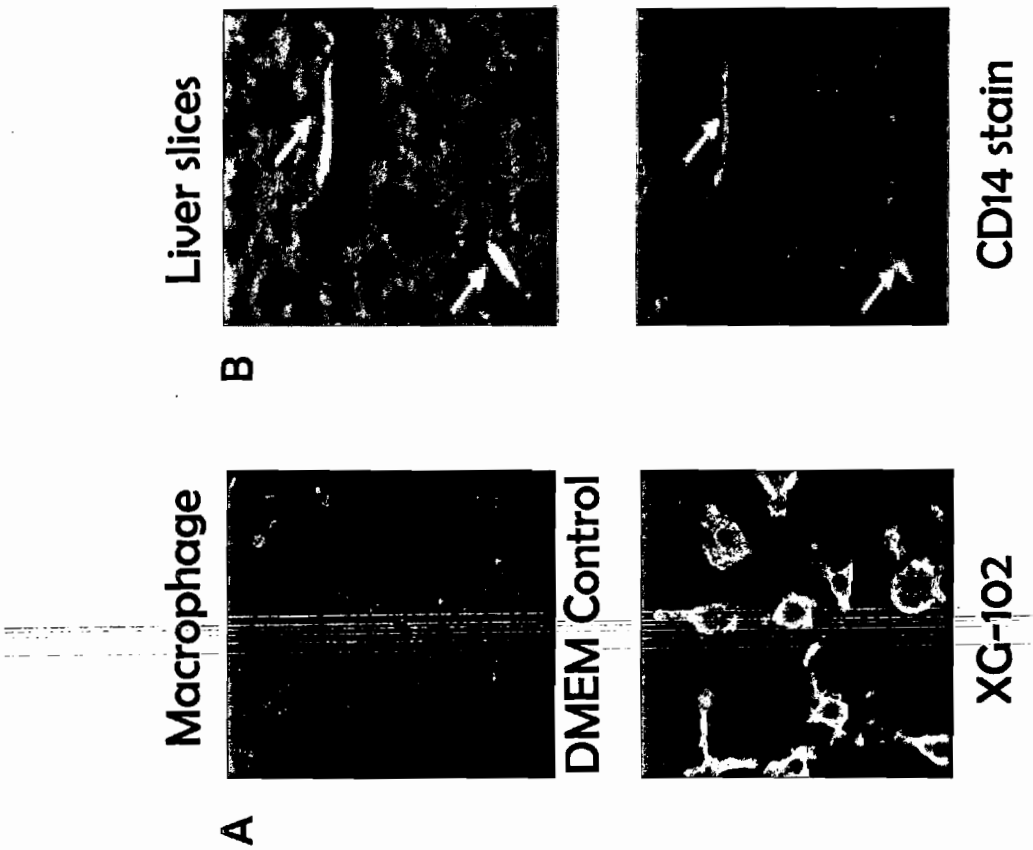

Fig. 5

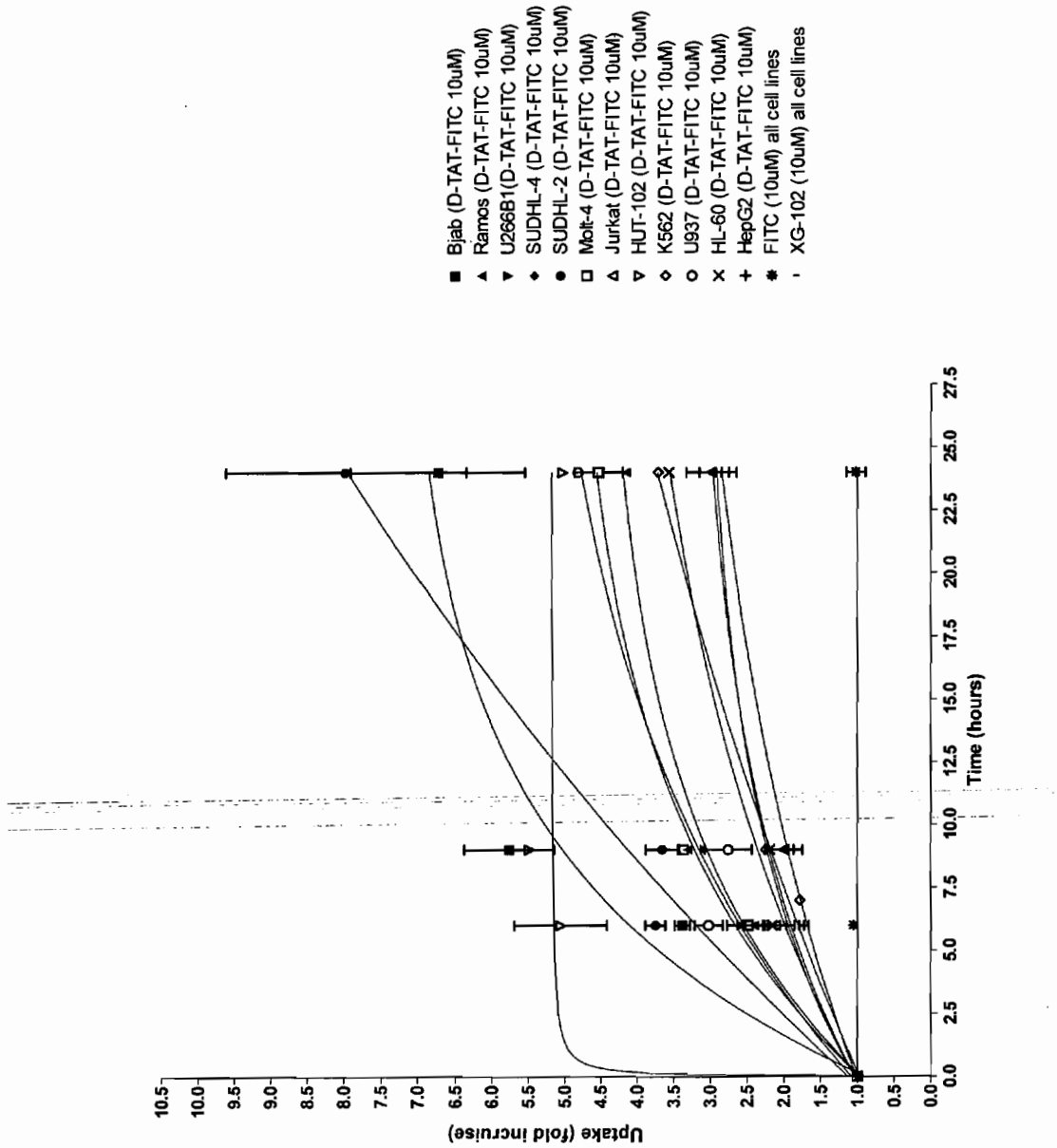
Bjab (D-TAT-FITC 10uM)
Ramos (D-TAT-FITC 10uM)
U266B1(D-TAT-FITC 10uM)
SUDHL-4 (D-TAT-FITC 10uM)
SUDHL-2 (D-TAT-FITC 10uM)
Molt-4 (D-TAT-FITC 10uM)
Jurkat (D-TAT-FITC 10uM)
HUT-102 (D-TAT-FITC 10uM)
K562 (D-TAT-FITC 10uM)
U937 (D-TAT-FITC 10uM)
HL-60 (D-TAT-FITC 10uM)
HepG2 (D-TAT-FITC 10uM)
FITC (10uM) all cell lines
XG-102 (10uM) all cell lines
Uptake (fold increase)
Time (hours)

Fig. 6

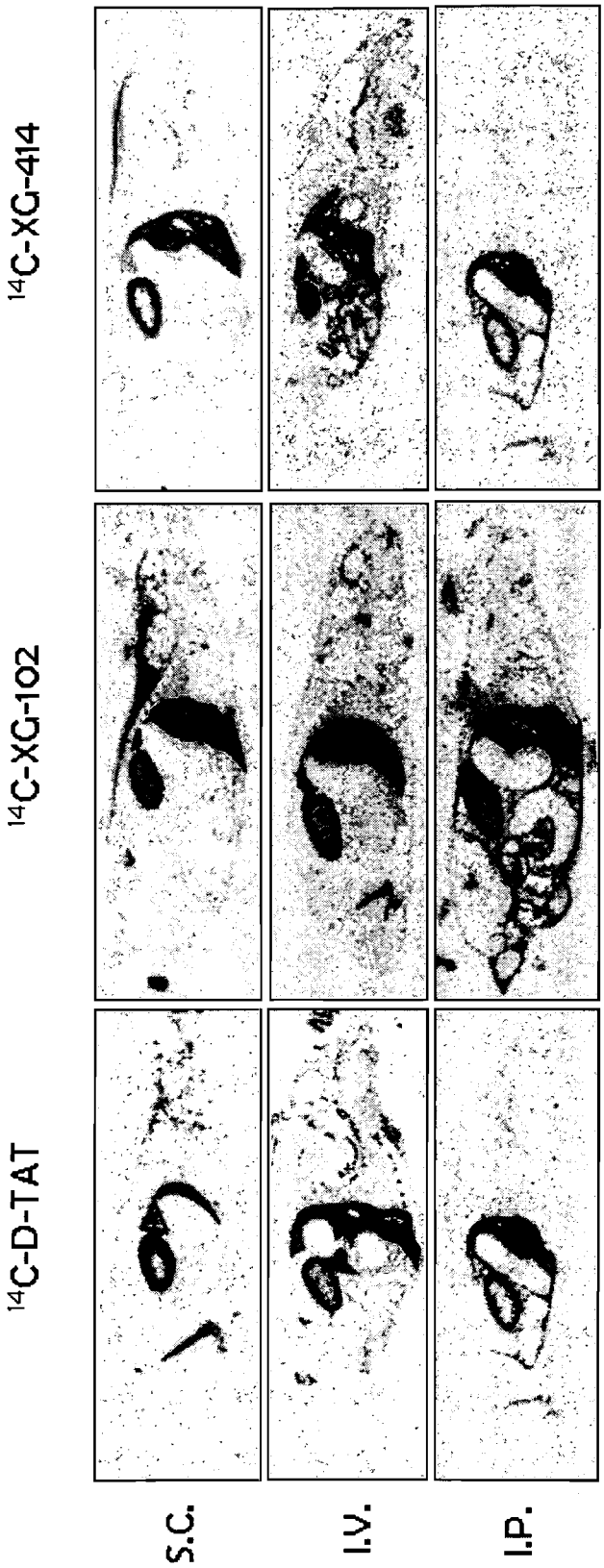

Fig. 7

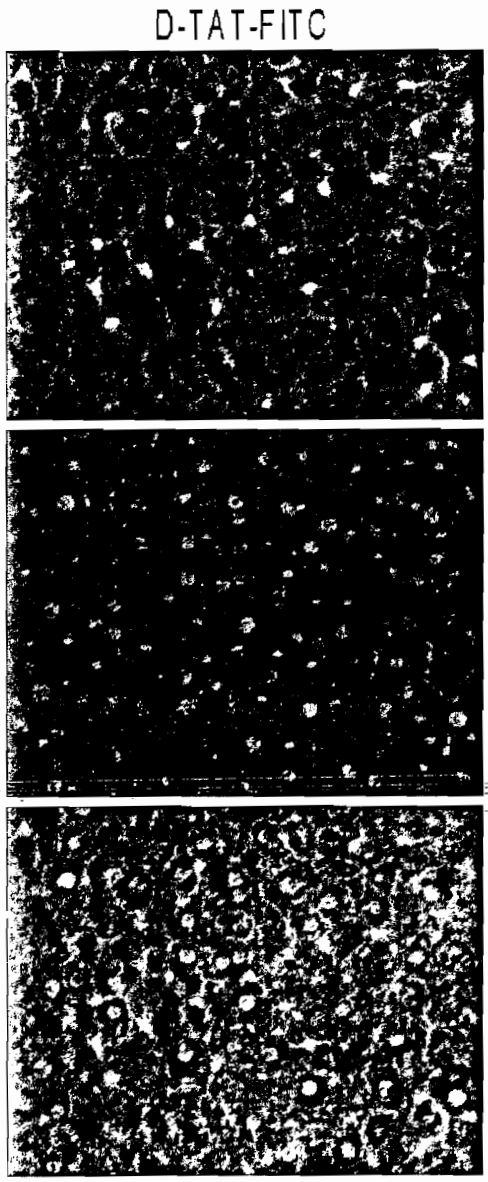

Fig. 8

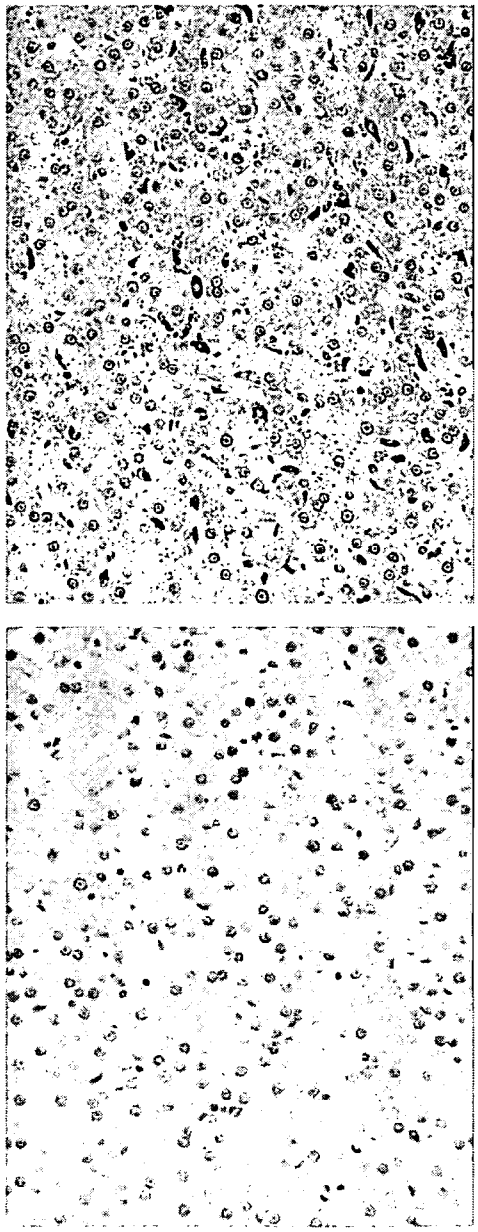

Fig. 9

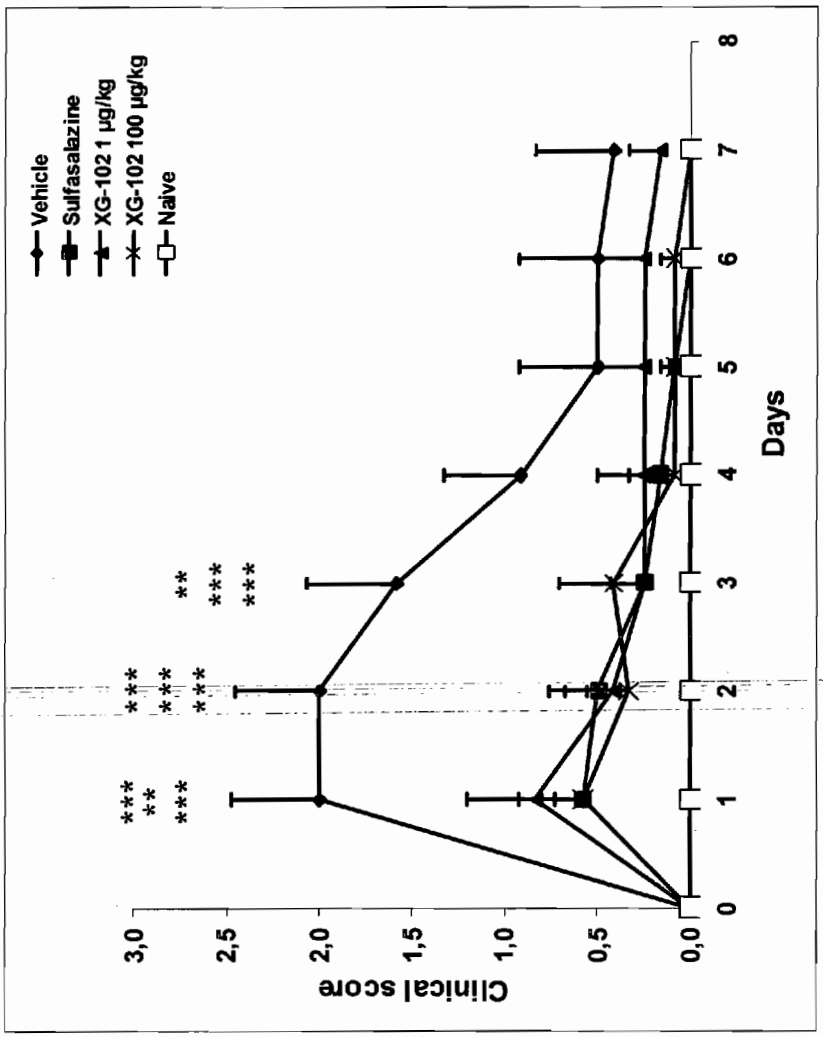
Vehicle
Sulfasalazine
XG-102 1 µg/kg
XG-102 100 µg/kg
Naive
Clinical score
Days
0,0
0,5
1,0
1,5
2,0
2,5
3,0
0
1
2
3
4
5
6
7
8

Fig. 10

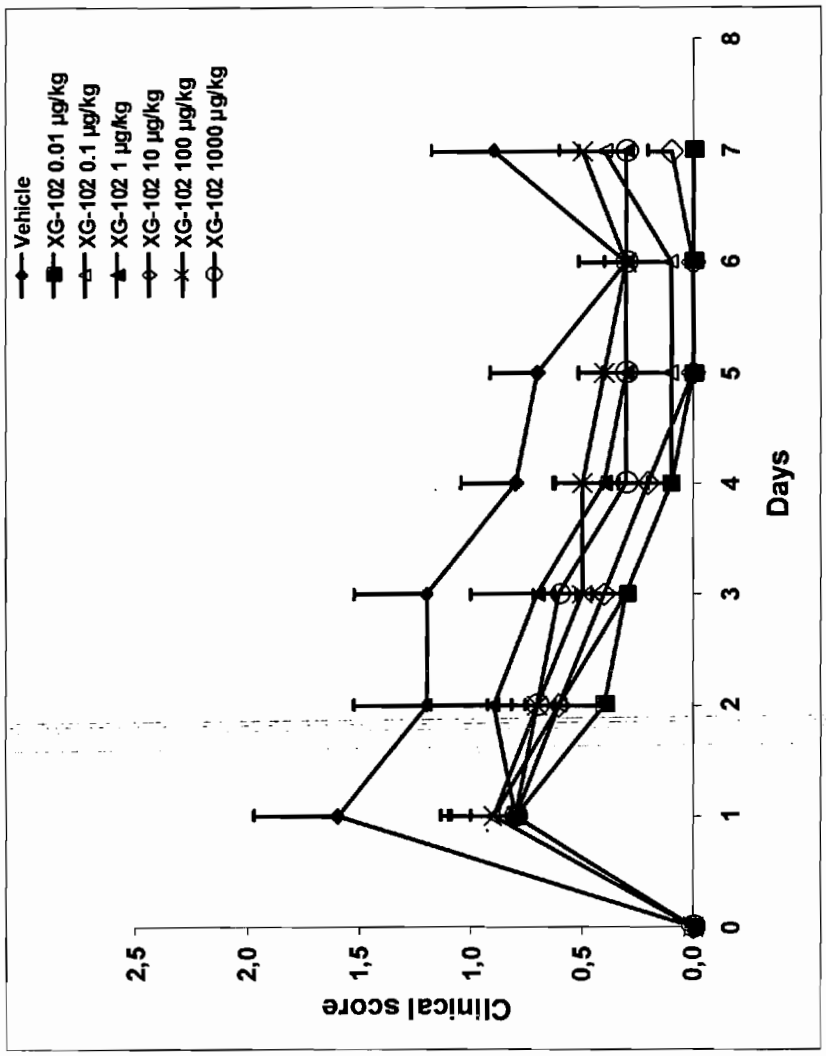
Vehicle
XG-102 0.01 µg/kg
XG-102 0.1 µg/kg
XG-102 1 µg/kg
XG-102 10 µg/kg
XG-102 100 µg/kg
XG-102 1000 µg/kg
Clinical score
0,0
0,5
1,0
1,5
2,0
2,5
Days
0
1
2
3
4
5
6
7
8

Fig. 11

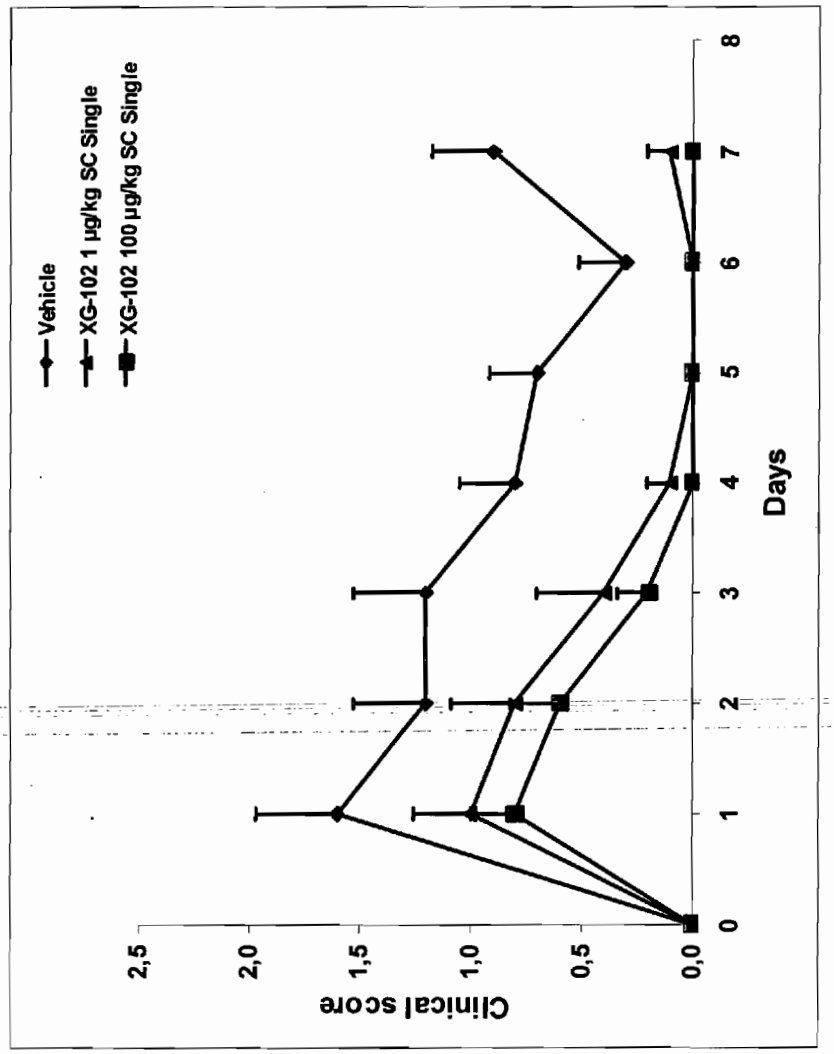
Vehicle
XG-102 1 µg/kg SC Single
XG-102 100 µg/kg SC Single
Clinical score
2,5
2,0
1,5
1,0
0,5
0,0
0
1
2
3
4
5
6
7
8
Days

Fig. 12

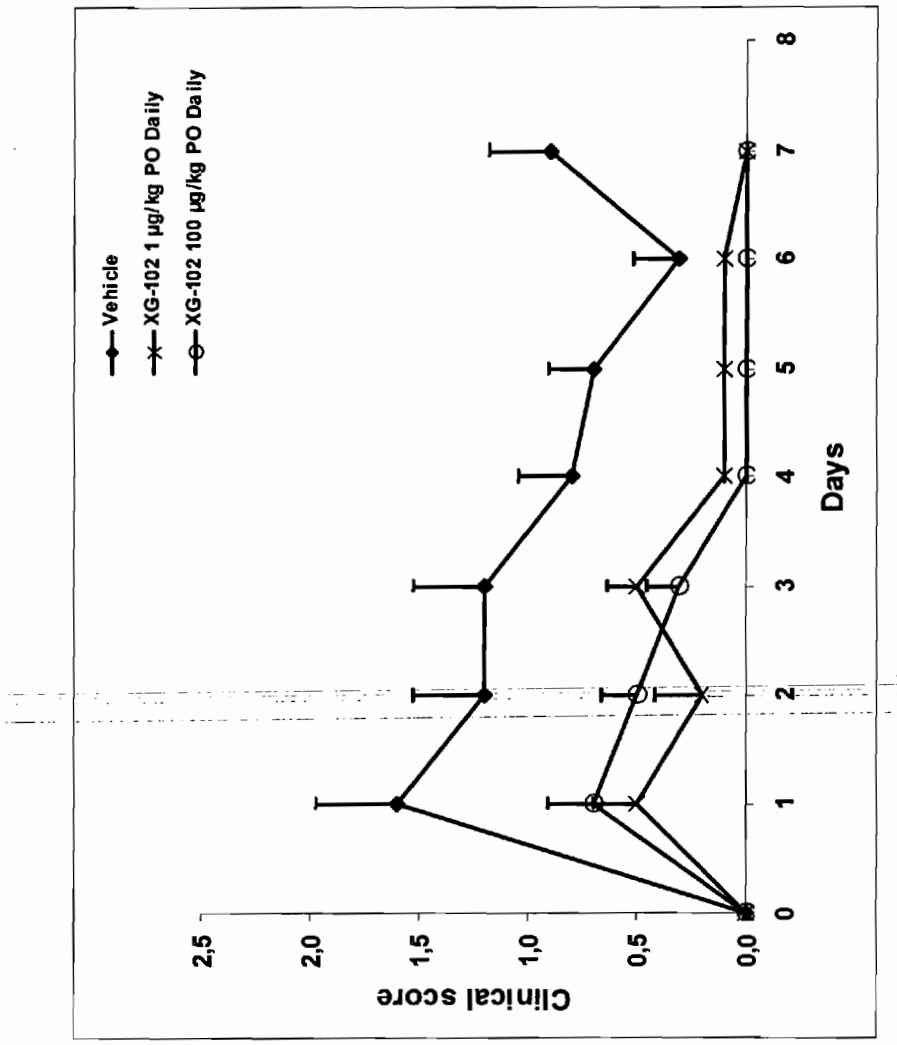
Vehicle
XG-102 1 µg/kg PO Daily
XG-102 100 µg/kg PO Daily
Clinical score
2,5
2,0
1,5
1,0
0,5
0,0
0
1
2
3
4
5
6
7
8
Days

Fig. 13

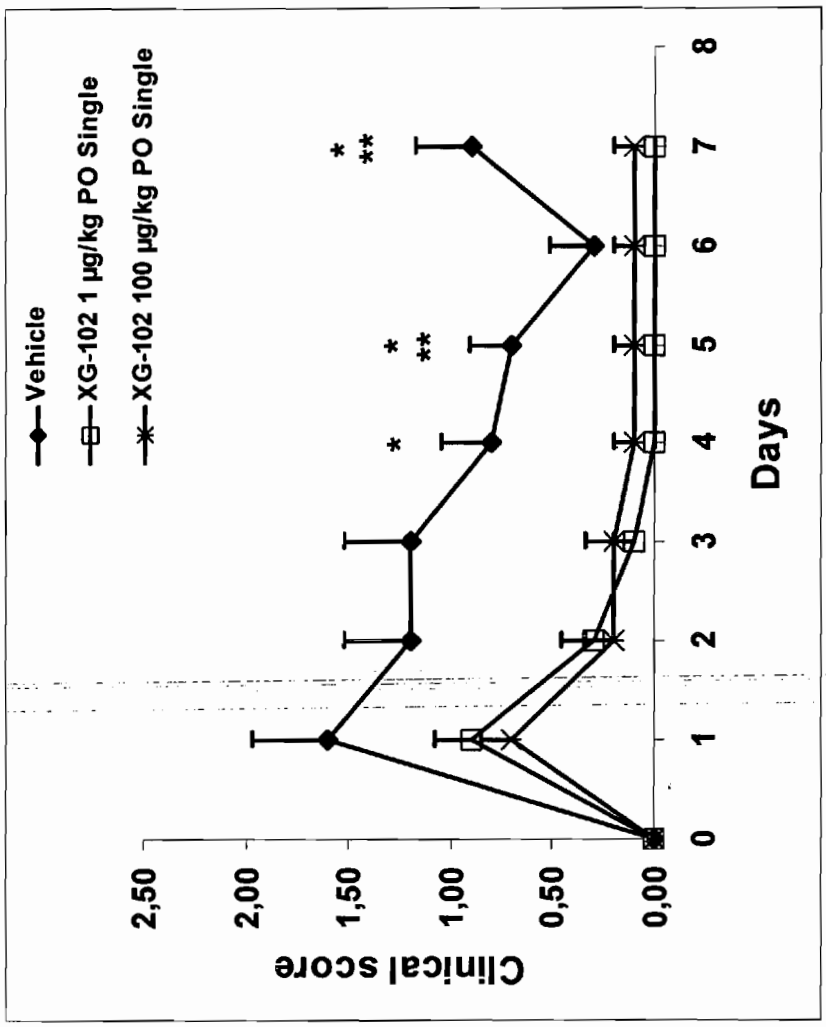
Vehicle
XG-102 1 µg/kg PO Single
XG-102 100 µg/kg PO Single
Clinical score
2,50
2,00
1,50
1,00
0,50
0,00
0
1
2
3
4
5
6
7
8
Days
*
**
*
**
*
**

Fig. 14

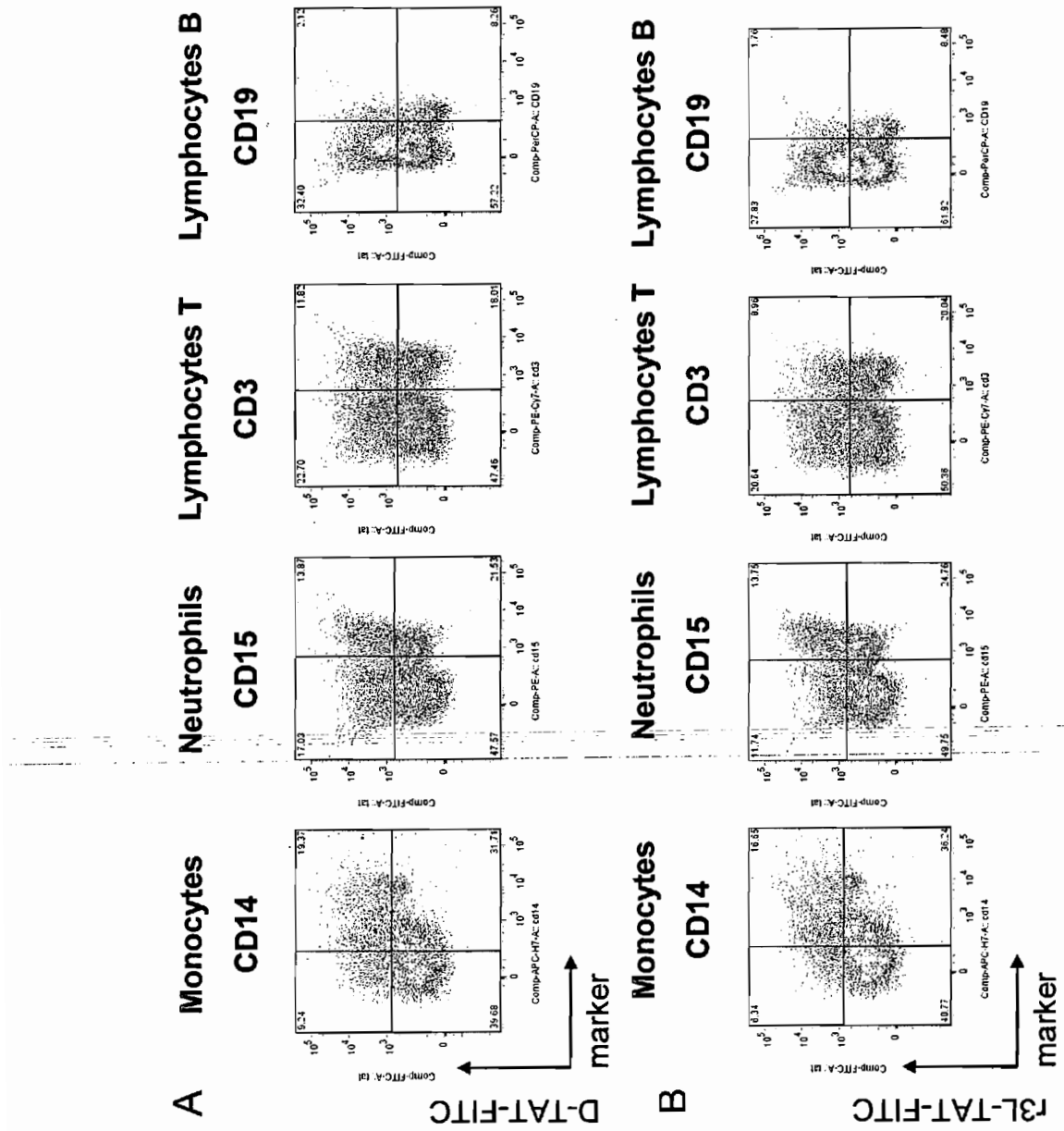
A
Monocytes
CD14
Neutrophils
CD15
Lymphocytes T
CD3
Lymphocytes B
CD19
marker
D-TAT-FITC
B
Monocytes
CD14
Neutrophils
CD15
Lymphocytes T
CD3
Lymphocytes B
CD19
marker
rβL-TAT-FITC

Fig. 15

	Monocytes	Neutrophils	T lympho.	B lympho.
D-TAT	3510.30	1698.16	1551.66	1323.95
r3L-TAT	2952.56	1518.37	995.46	1051.82

Fig. 16

	SEQ ID NO:	Raw*	J77**	BMDM*
D-TAT	4	100	100	100
r3-L-TAT	15	107	51	65
12	32	30	13	41
19	39	12	10	12
20	40	45	20	33
21	41	83	39	61
28	48	156	35	149
33	53	69	19	54
41	61	65	28	100
60	80	54	21	28
64	84	150	71	120
80	100	63	26	26
83	103	70	41	59
92	112	48	24	28
93	113	57	29	37
94	114	136	75	84
95	115	78	19	98
96	116	75	33	64

Fig. 17

	SEQ ID NO:	Raw*	J77***	BMDM*
D-TAT	4	94	196	154
r3-L-TAT	15	100	100	100
12	32	28	25	63
19	39	11	19	18
20	40	42	39	51
21	41	78	77	94
28	48	146	68	229
33	53	64	37	82
41	61	61	56	154
60	80	51	41	43
64	84	141	139	185
80	100	59	52	41
83	103	66	81	91
92	112	45	47	43
93	113	54	56	56
94	114	128	146	129
95	115	73	38	150
96	116	70	65	99

Fig. 18

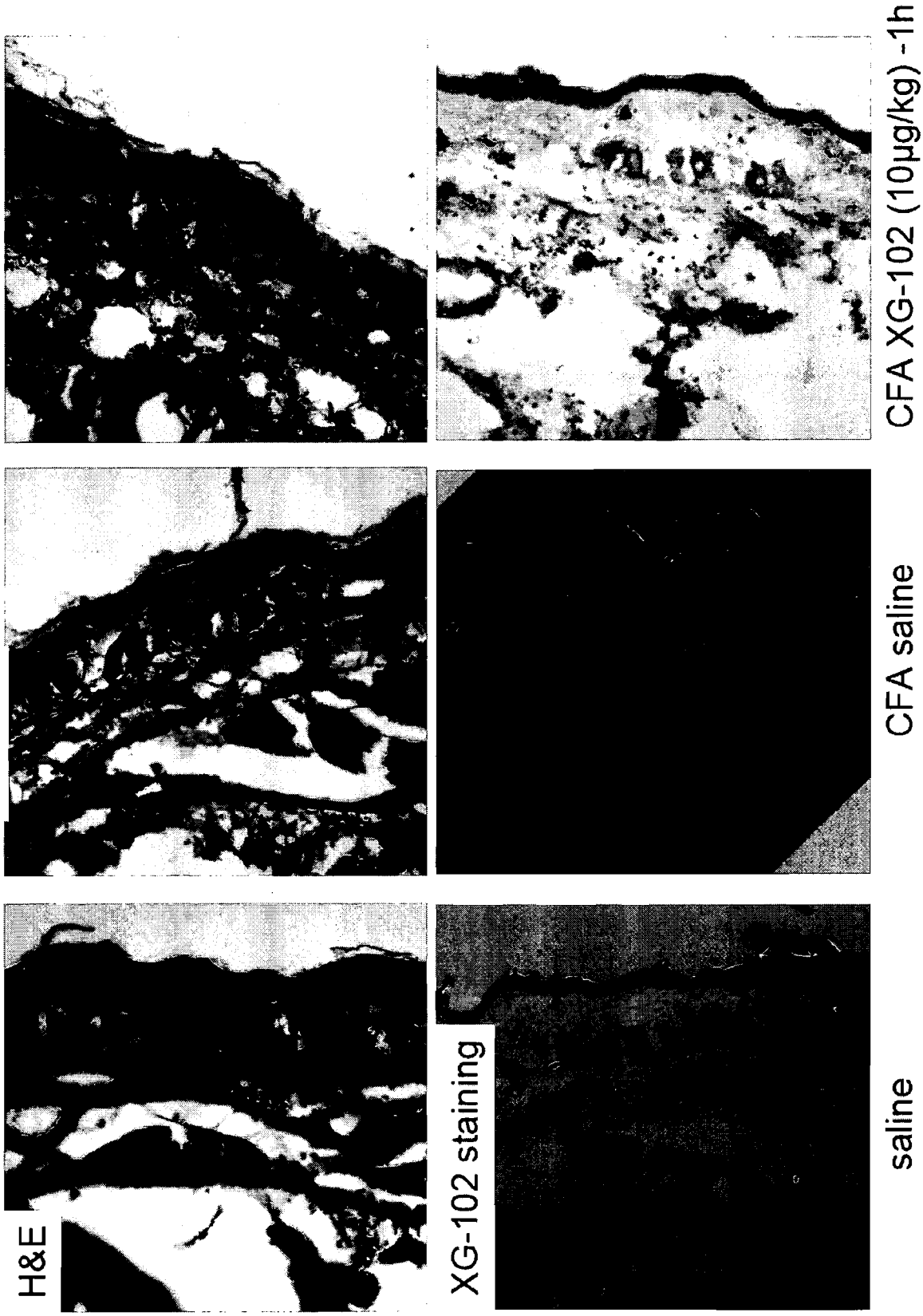

Fig. 19A

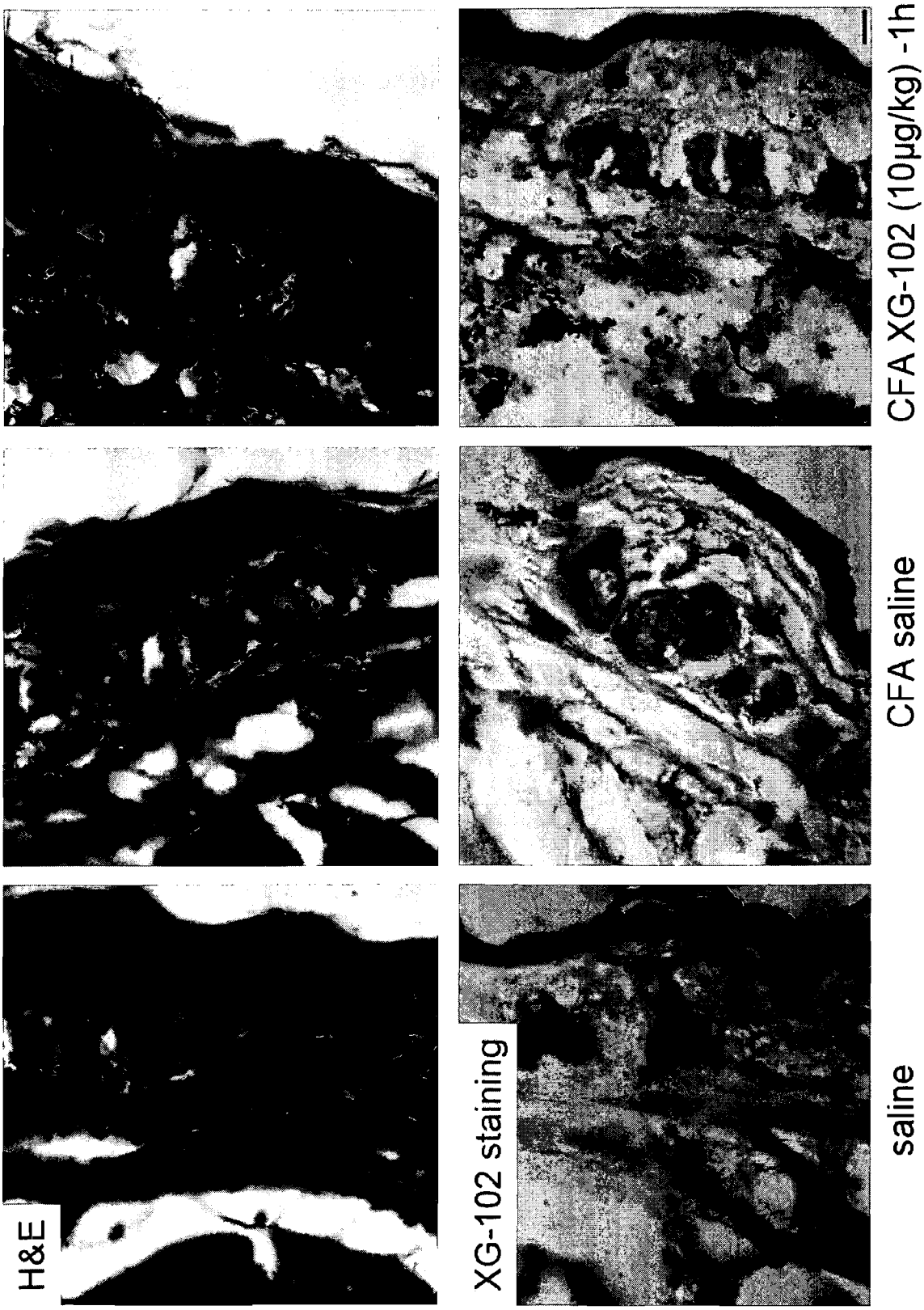

Fig. 19B

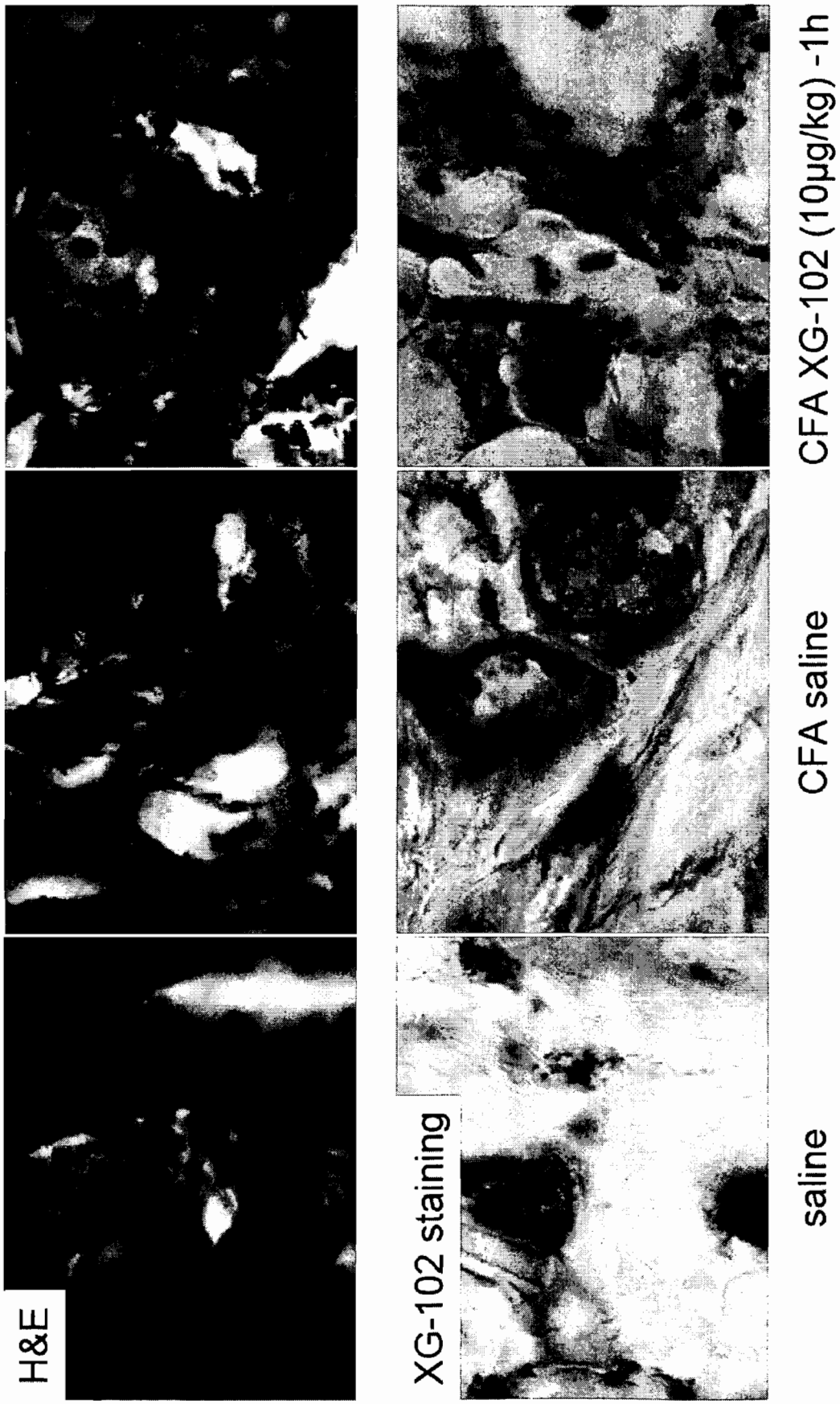

Fig. 19C

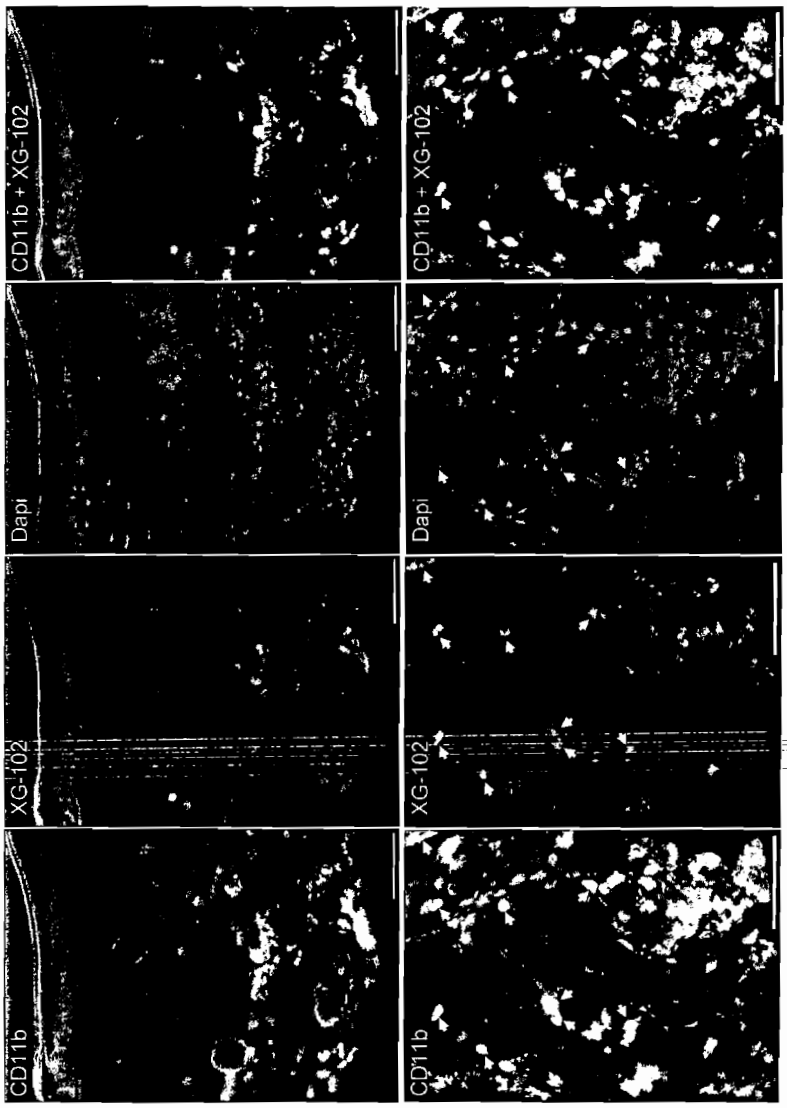

Fig. 20A

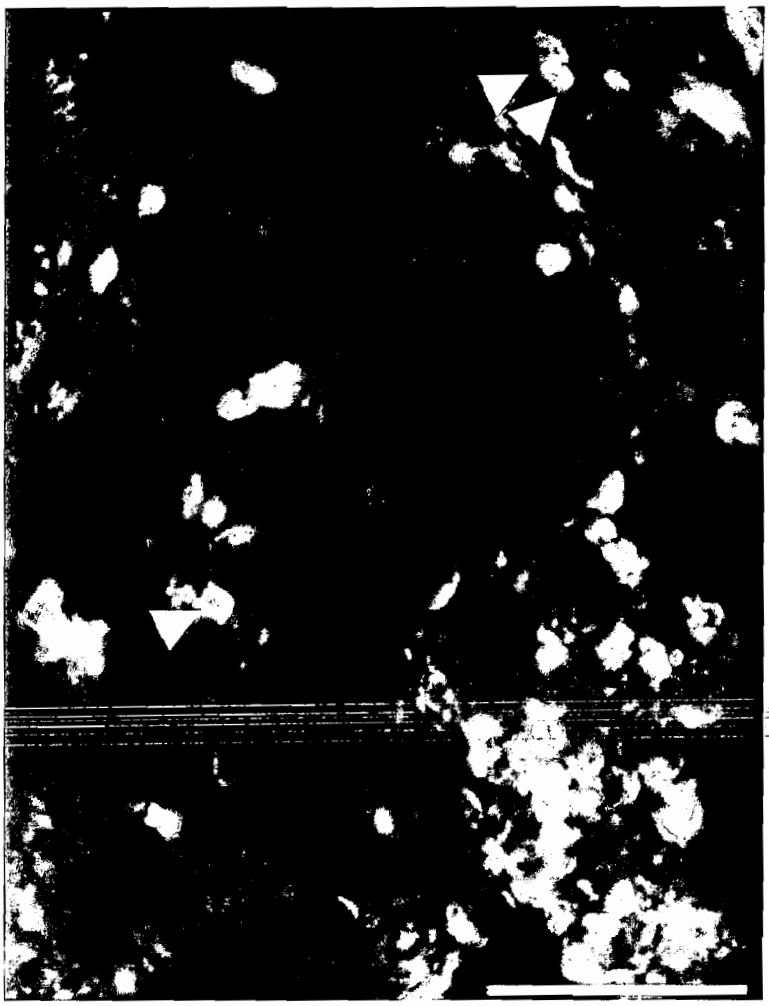

Fig. 20B

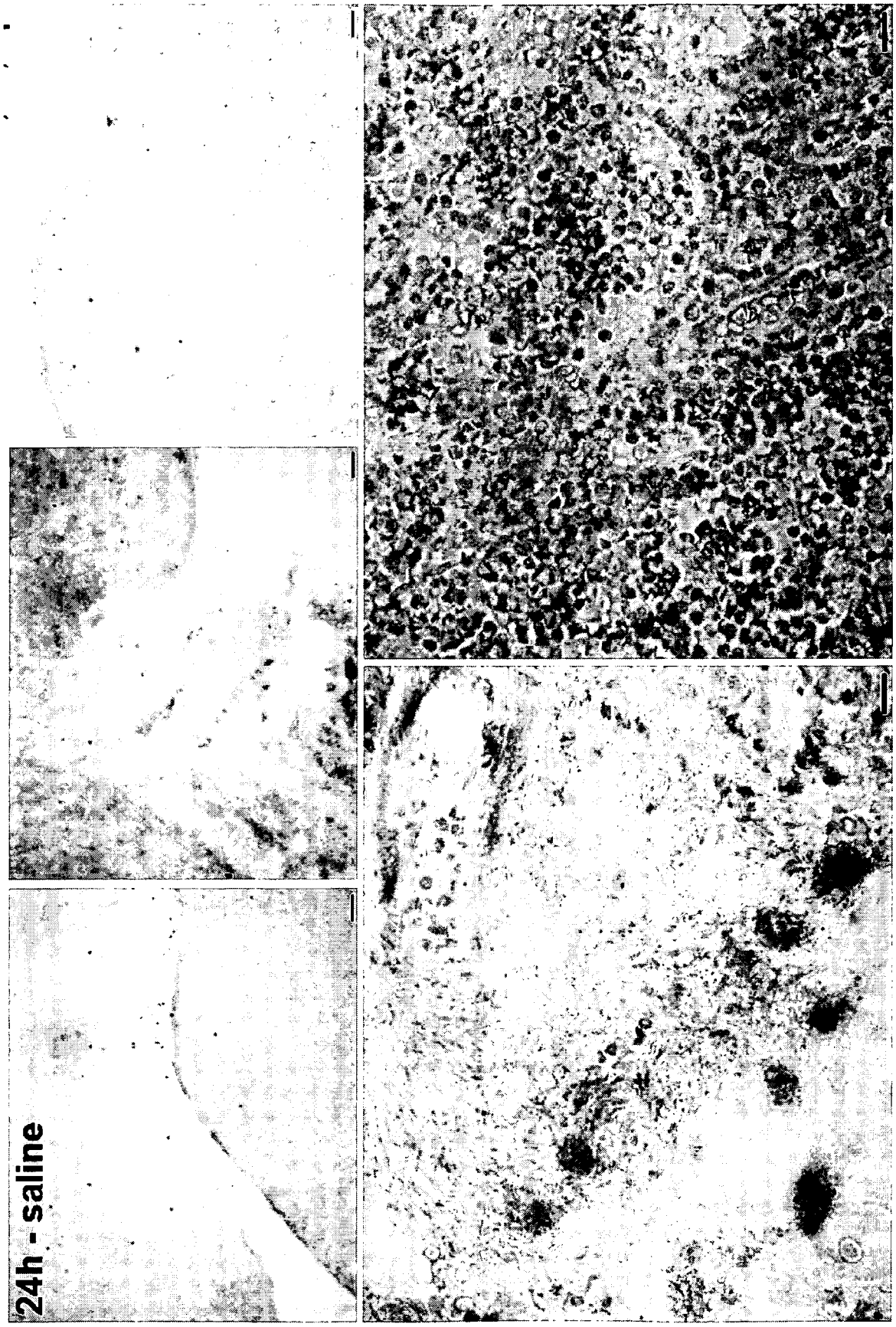

Fig. 21A

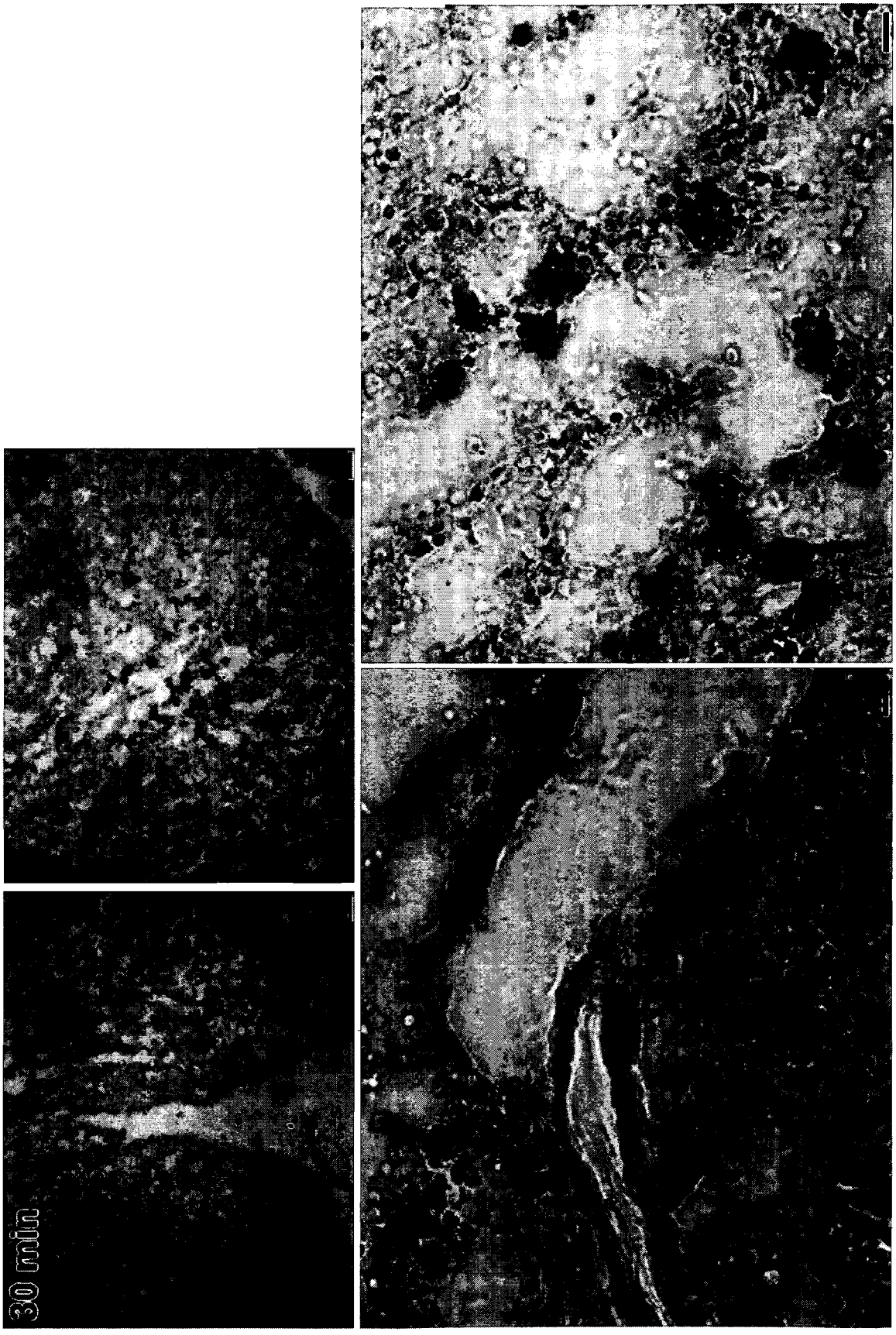

Fig. 21B

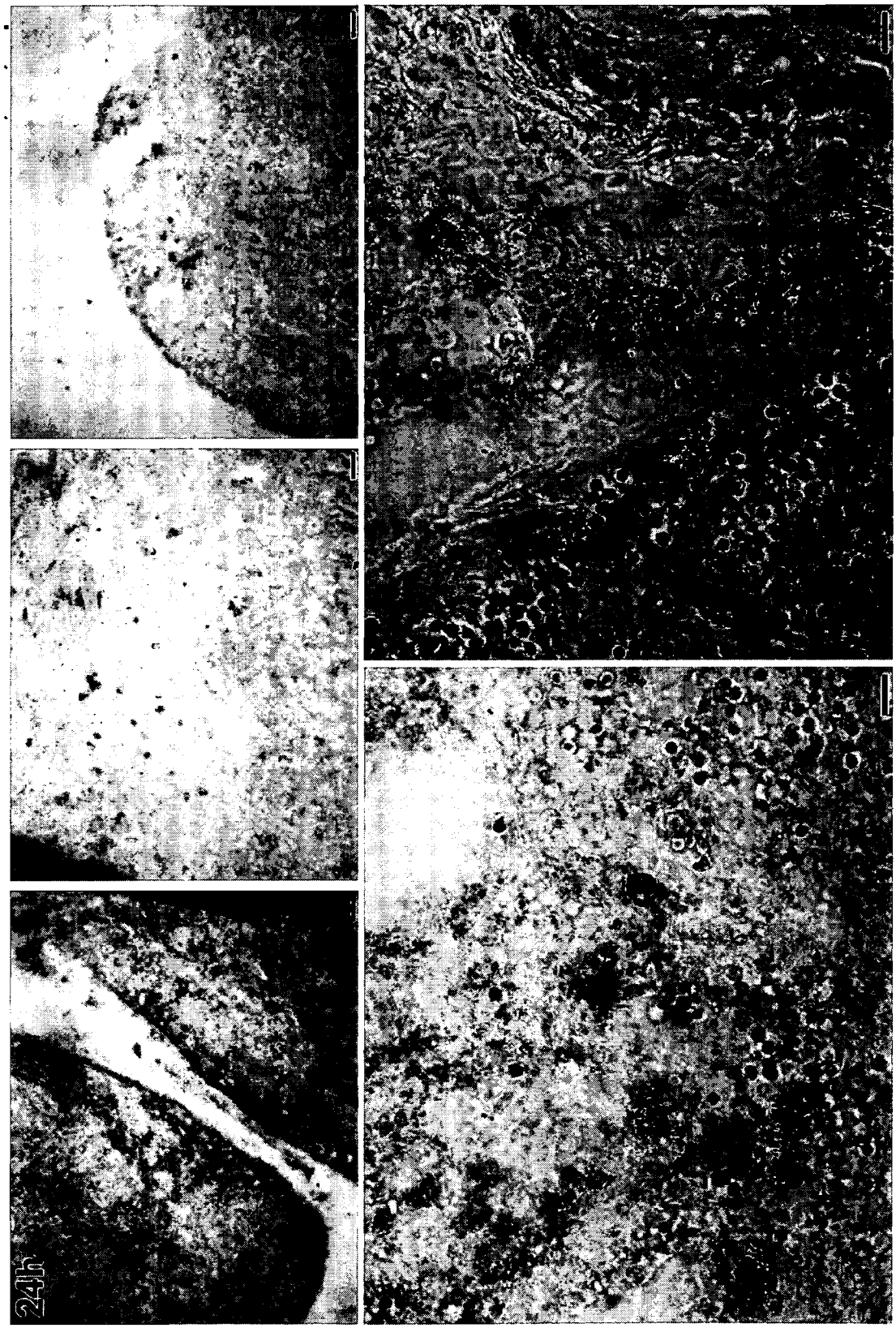

Fig. 21C

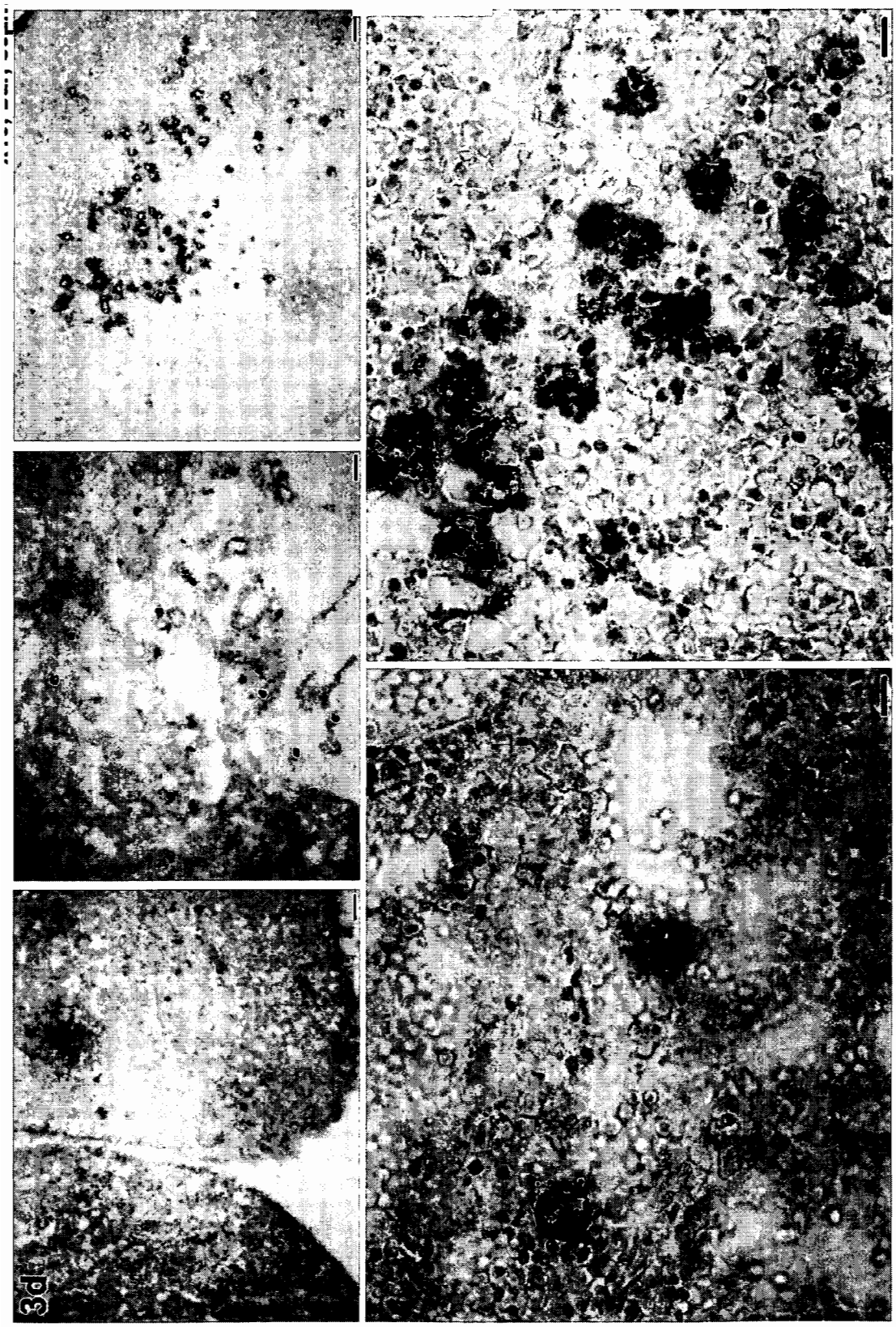

Fig. 21D

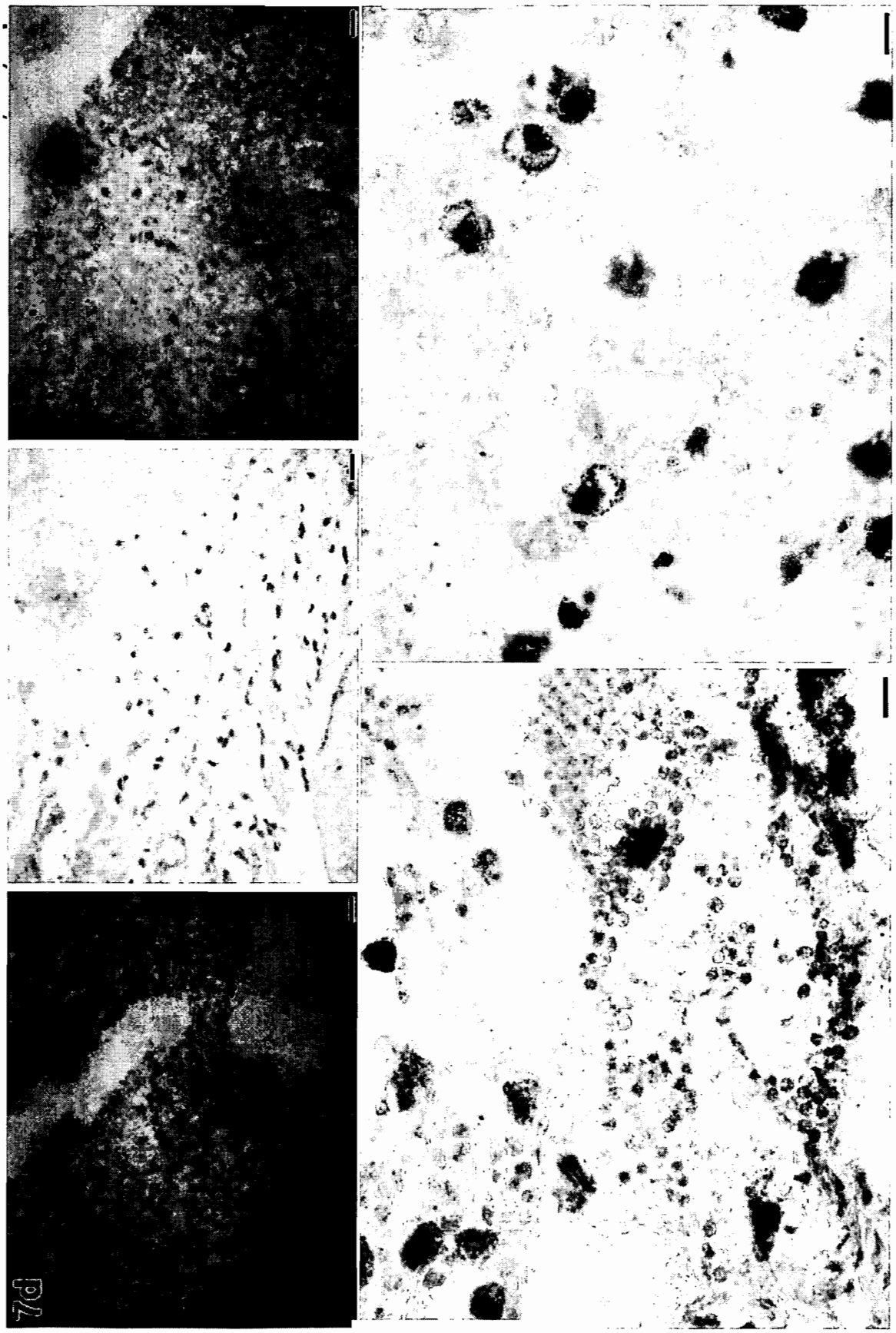

Fig. 21E

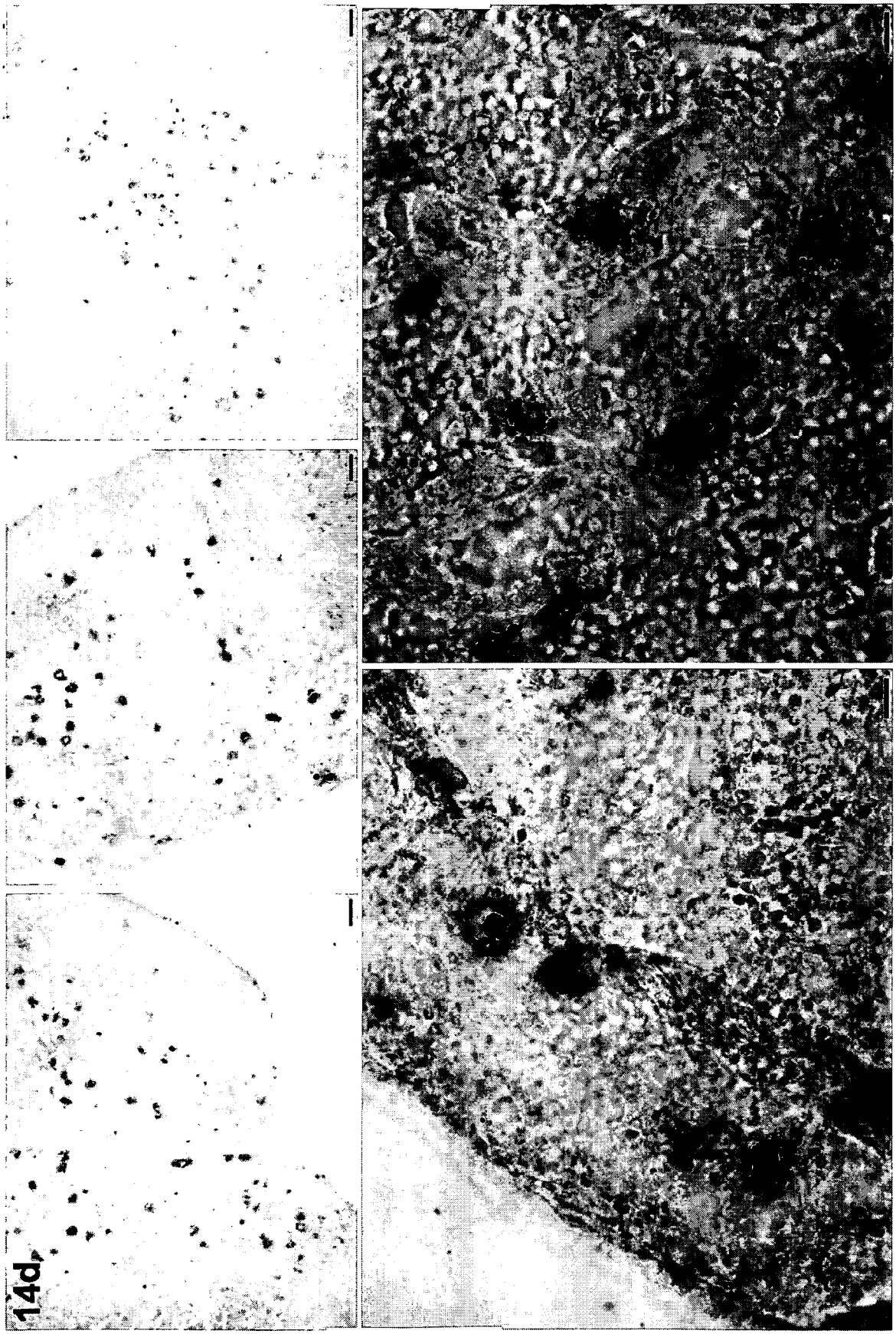

Fig. 21F

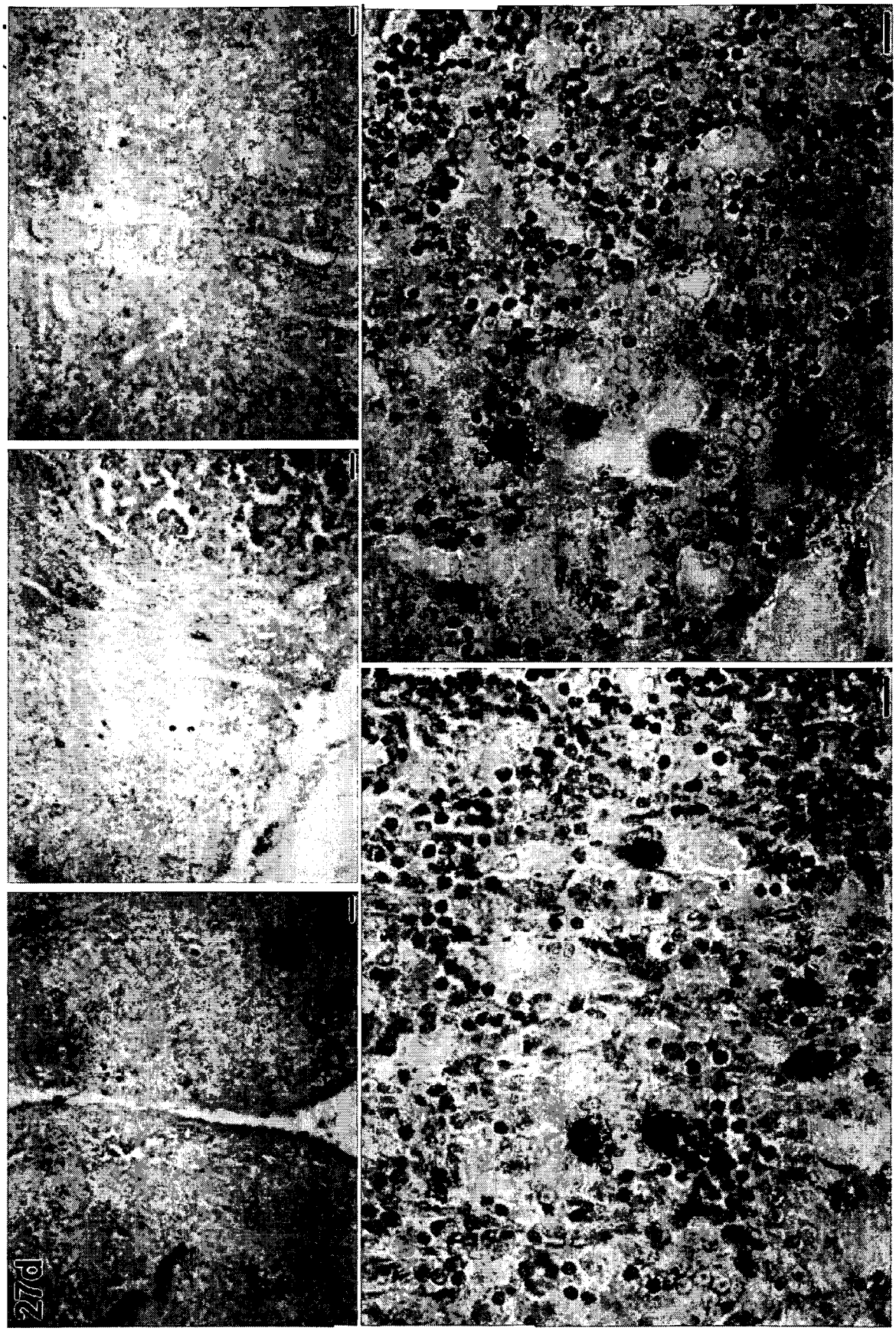

Fig. 21G

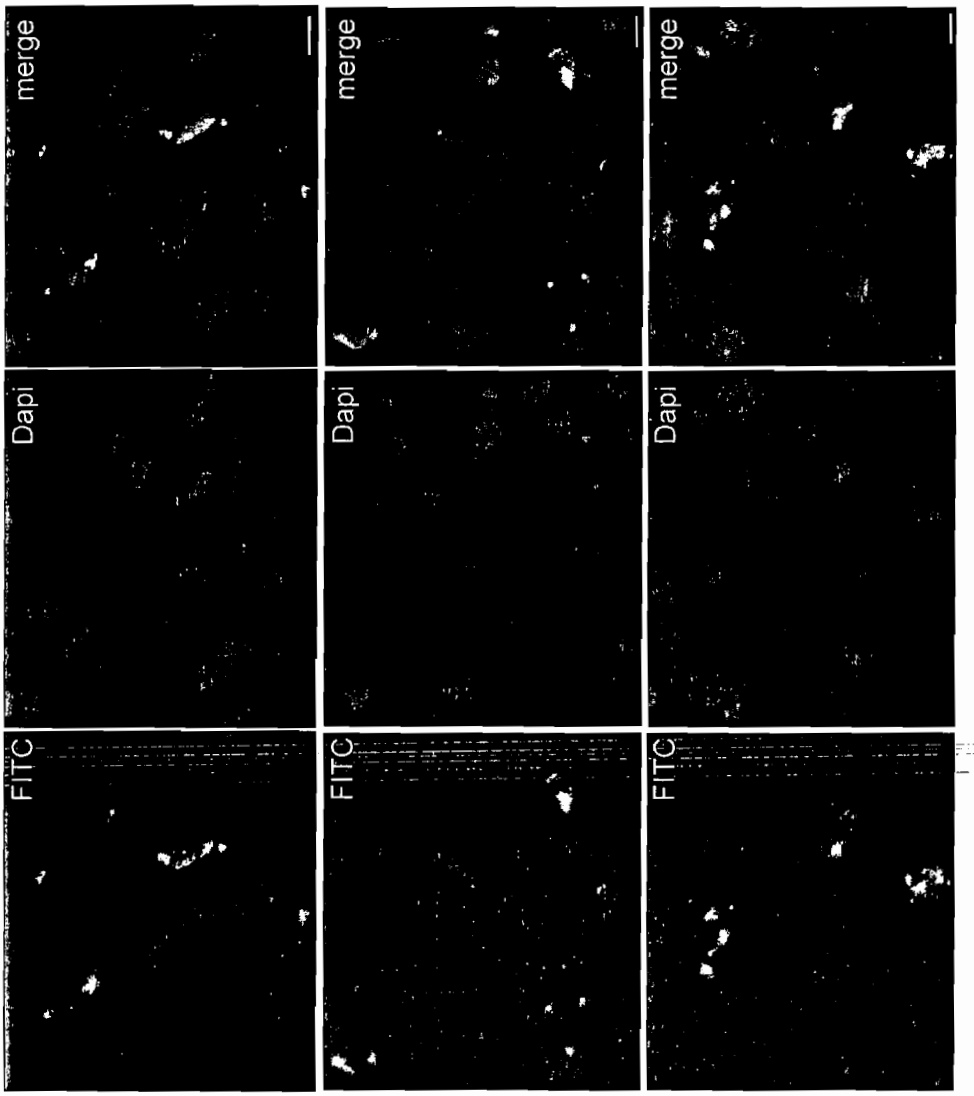

Fig. 22A

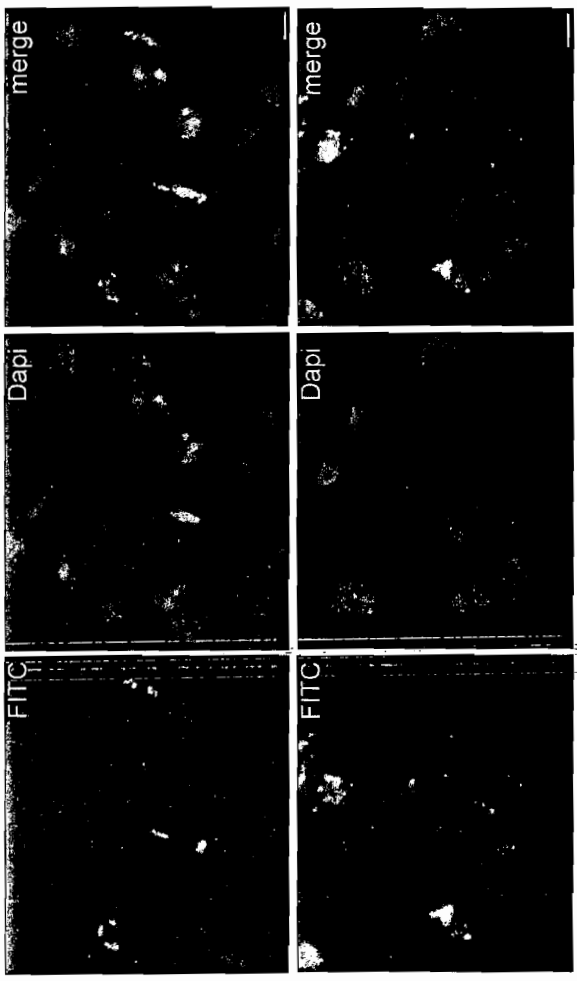

Fig. 22B

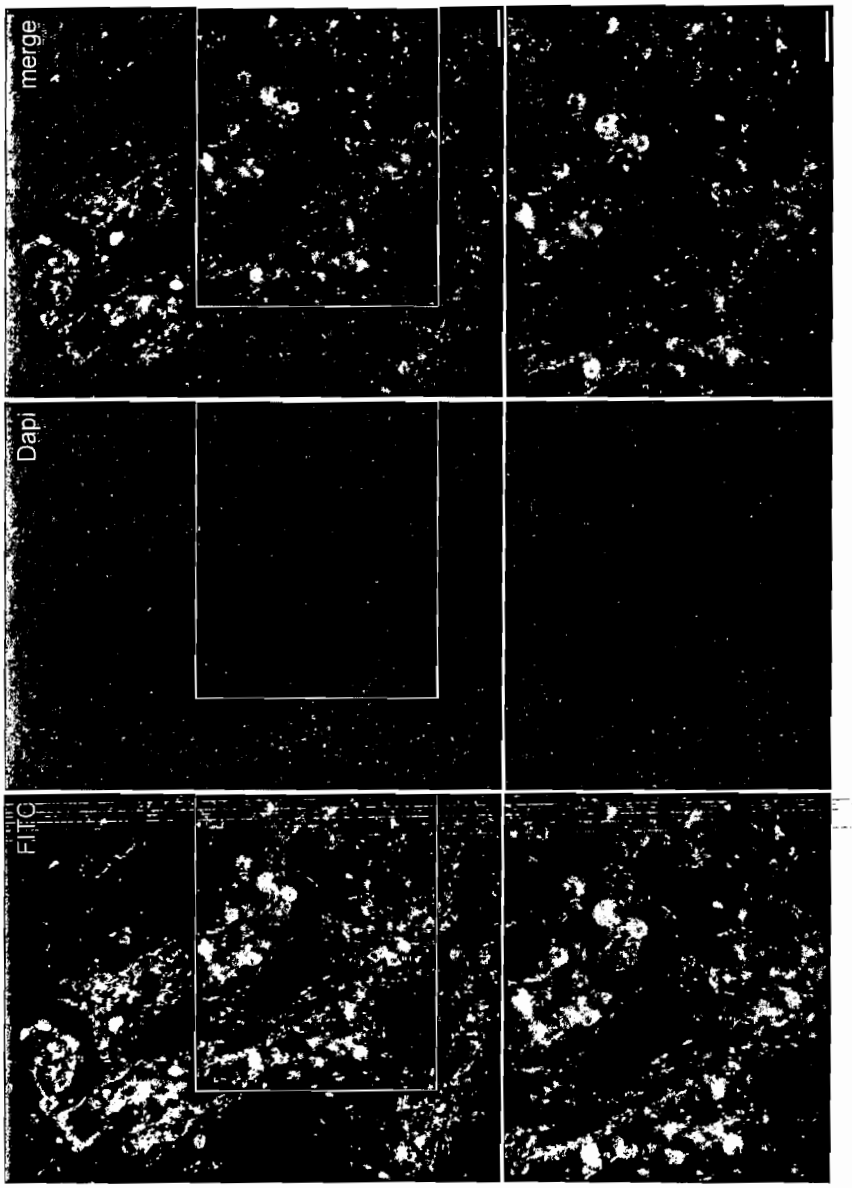

Fig. 23A

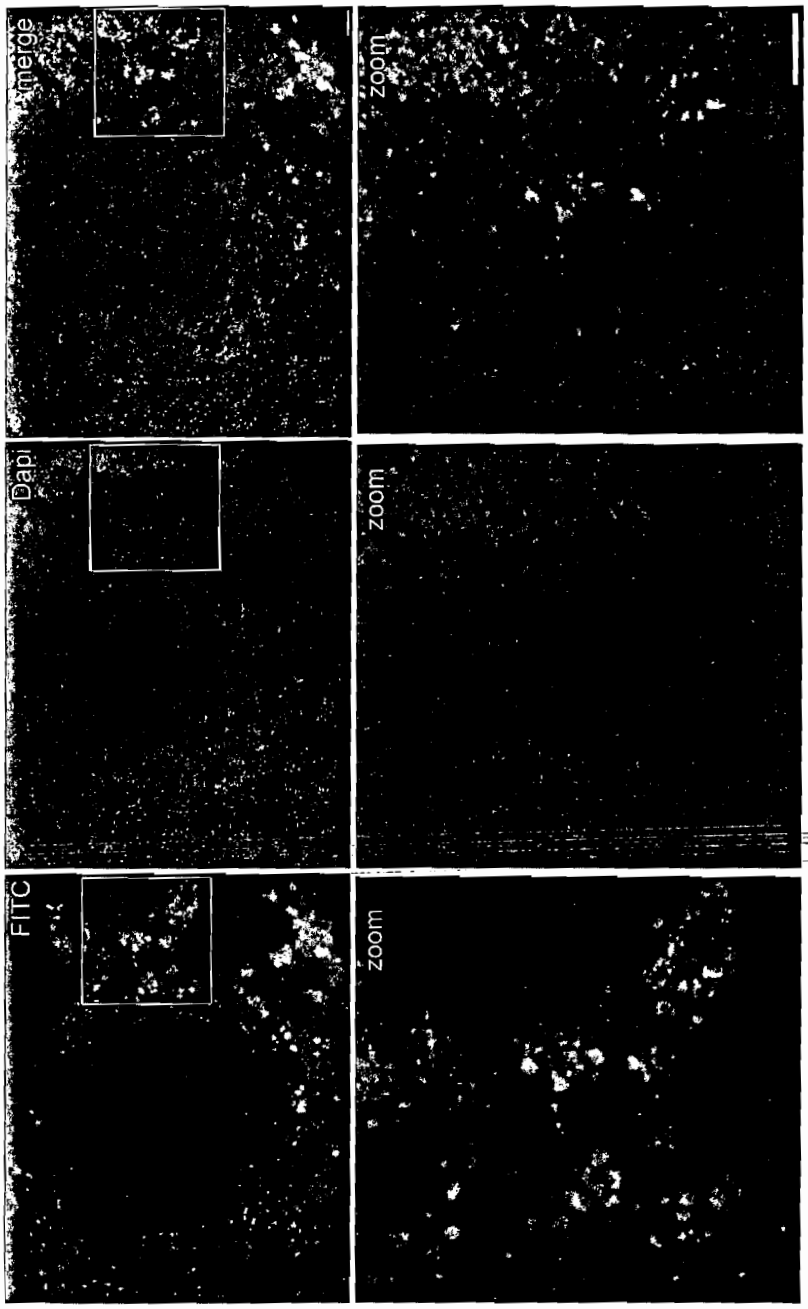

Fig. 23B