

Figure 1

composition	drug form	protection of ACT after manufacture	protection of ACT after 3 months storage, 25°C	release of ACT after manufacture
HEC, Kelcogel F	xerogel	100%	98%	50%
HEC, Kelcogel F	film	100%	71%	50%
HEC, Kelcogel LT100	xerogel	100%	87%	57%
HEC, Kelcogel LT100	film	100%	65%	60%

Figure 2

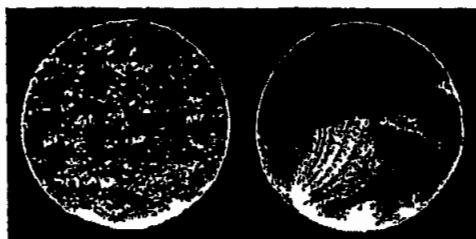


Figure 3

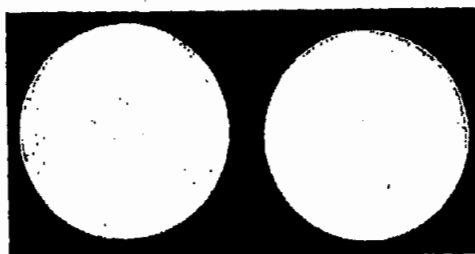


FIG. 4

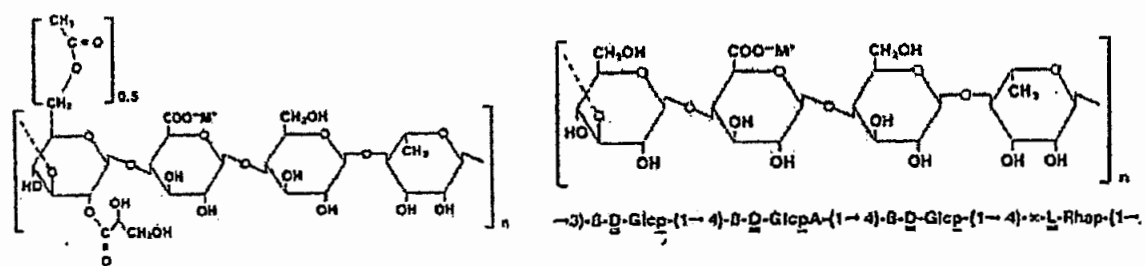


FIG. 2-1

```

Met Glu Arg Met Leu Pro Leu Leu Thr Leu Gly Leu Leu Ala Ala Gly
1      5      10      15
Phe Cys Pro Ala Val Leu Cys His Pro Asn Ser Pro Leu Asp Glu Glu
20      25      30
Asn Leu Thr Gln Glu Asn Gln Asp Arg Gly Thr His Val Asp Leu Gly
35      40      45
Leu Ala Ser Ala Asn Val Asp Phe Ala Phe Ser Leu Tyr Lys Gln Leu
50      55      60
Val Leu Lys Ala Pro Asp Lys Asn Val Ile Phe Ser Pro Leu Ser Ile
65      70      75      80
Ser Thr Ala Leu Ala Phe Leu Ser Leu Gly Ala His Asn Thr Thr Leu
85      90      95
Thr Glu Ile Leu Lys Gly Leu Lys Phe Asn Leu Thr Glu Thr Ser Glu
100      105      110
Ala Glu Ile His Gln Ser Phe Gln His Leu Leu Arg Thr Leu Asn Gln
115      120      125
Ser Ser Asp Glu Leu Gln Leu Ser Met Gly Asn Ala Met Phe Val Lys
130      135      140
Glu Gln Leu Ser Leu Leu Asp Arg Phe Thr Glu Asp Ala Lys Arg Leu
145      150      155      160
Tyr Gly Ser Glu Ala Phe Ala Thr Asp Phe Gln Asp Ser Ala Ala Ala
165      170      175
Lys Lys Leu Ile Asn Asp Tyr Val Lys Asn Gly Thr Arg Gly Lys Ile
180      185      190
Thr Asp Leu Ile Lys Asp Leu Asp Ser Gln Thr Met Met Val Leu Val
195      200      205
Asn Tyr Ile Phe Phe Lys Ala Lys Trp Glu Met Pro Phe Asp Pro Gln
210      215      220
Asp Thr His Gln Ser Arg Phe Tyr Leu Ser Lys Lys Lys Trp Val Met
225      230      235      240
Val Pro Met Met Ser Leu His His Leu Thr Ile Pro Tyr Phe Arg Asp
245      250      255
Glu Glu Leu Ser Cys Thr Val Val Glu Leu Lys Tyr Thr Gly Asn Ala
260      265      270
Ser Ala Leu Phe Ile Leu Pro Asp Gln Asp Lys Met Glu Glu Val Glu
275      280      285
Ala Met Leu Leu Pro Glu Thr Leu Lys Arg Trp Arg Asp Ser Leu Glu
290      295      300
Phe Arg Glu Ile Gly Glu Leu Tyr Leu Pro Lys Phe Ser Ile Ser Arg
305      310      315      320
Asp Tyr Asn Leu Asn Asp Ile Leu Leu Gln Leu Gly Ile Glu Glu Ala
325      330      335
Phe Thr Ser Lys Ala Asp Leu Ser Gly Ile Thr Gly Ala Arg Asn Leu
340      345      350
Ala Val Ser Gln Val Val His Lys Ala Val Leu Asp Val Phe Glu Glu
355      360      365
Gly Thr Glu Ala Ser Ala Ala Thr Ala Val Lys Ile Thr Leu Leu Ser
370      375      380
Ala Leu Val Glu Thr Arg Thr Ile Val Arg Phe Asn Arg Pro Phe Leu
385      390      395      400
Met Ile Ile Val Pro Thr Asp Thr Gln Asn Ile Phe Phe Met Ser Lys
405      410      415
Val Thr Asn Pro Lys Gln Ala
420

```

FIG. 2-2

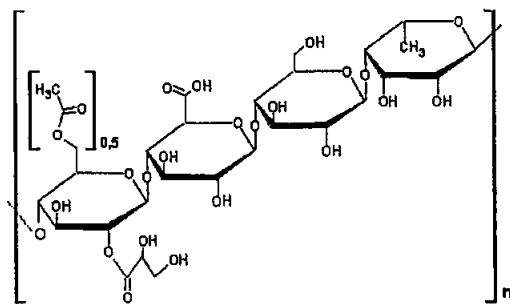


FIG. 2-3

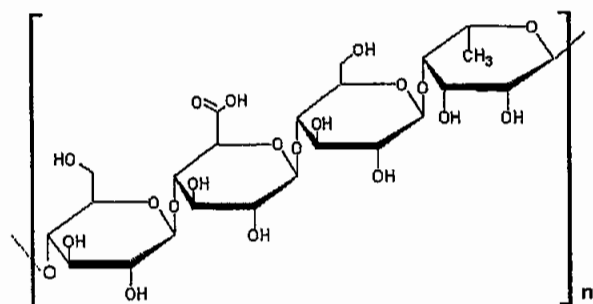


FIG. 2-4

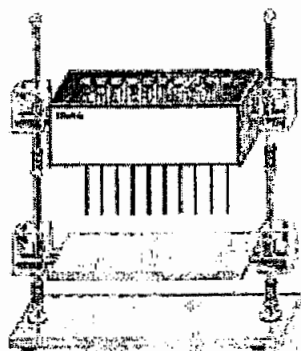


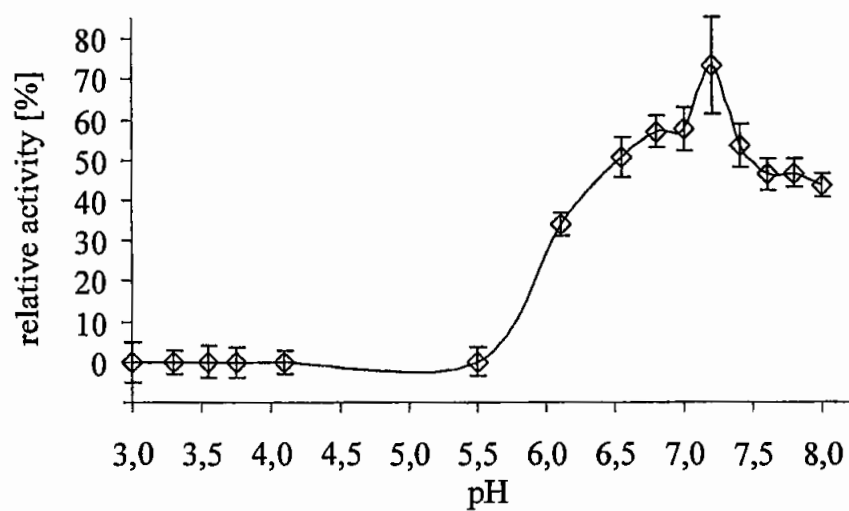
FIG. 3-1

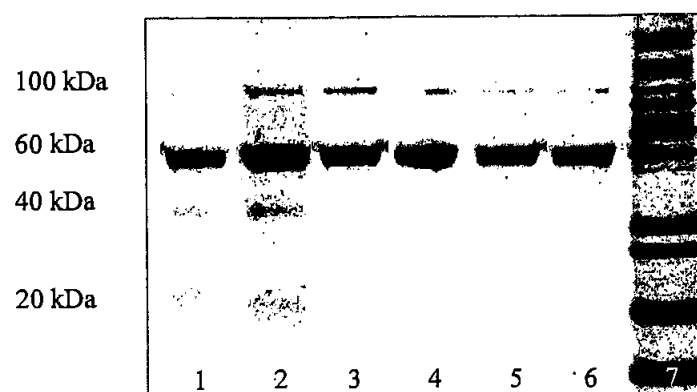
FIG. 3-2

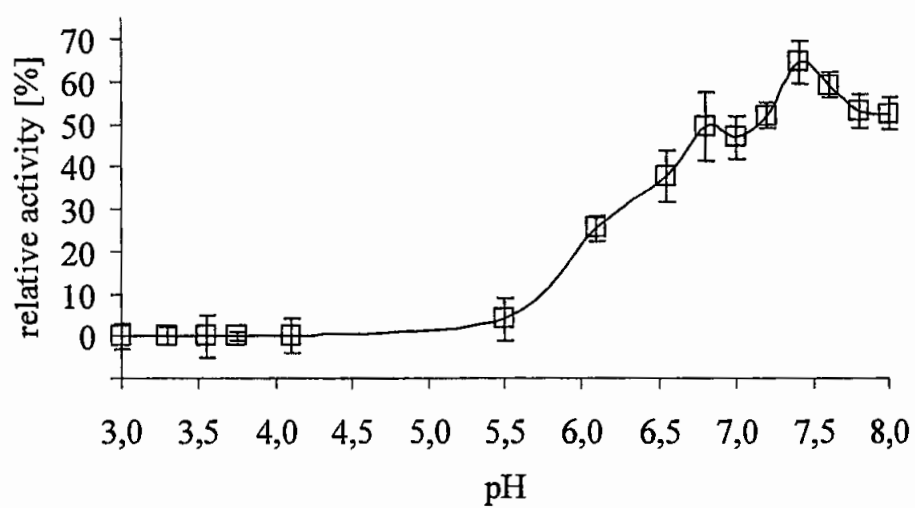
FIG. 3-3

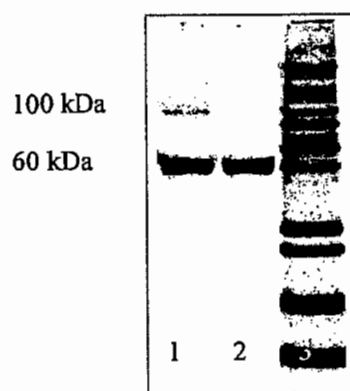
FIG. 3-4

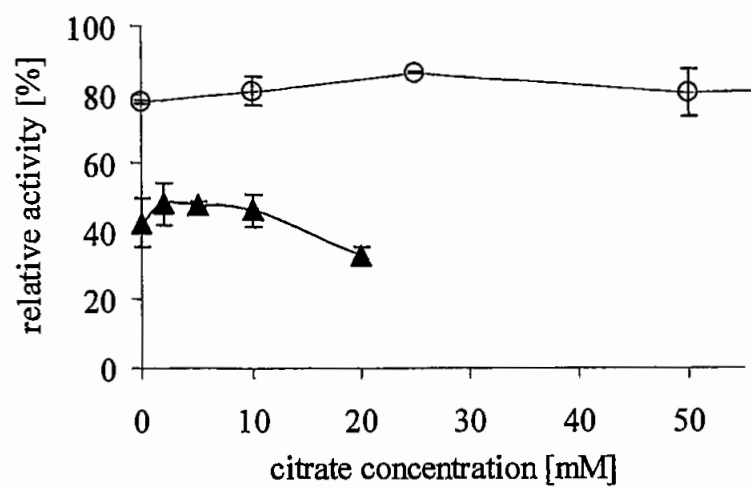
FIG. 3-5

FIG. 3-6

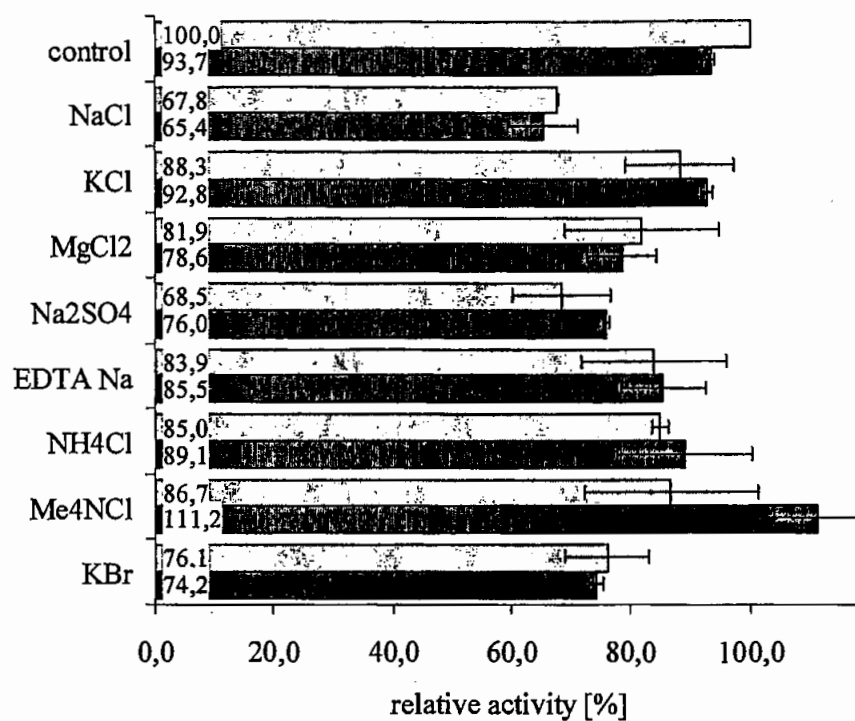


FIG. 3-7

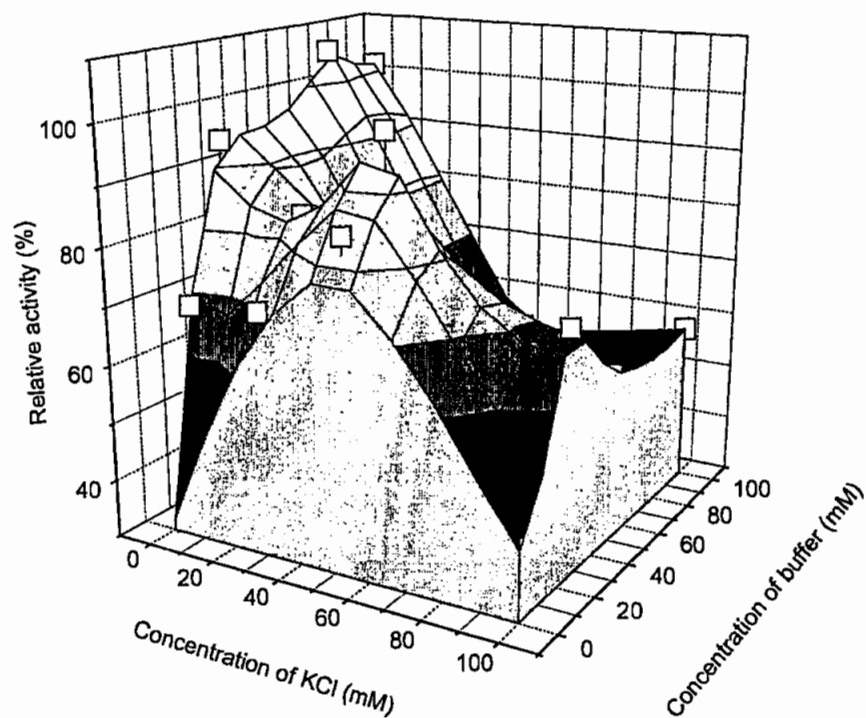


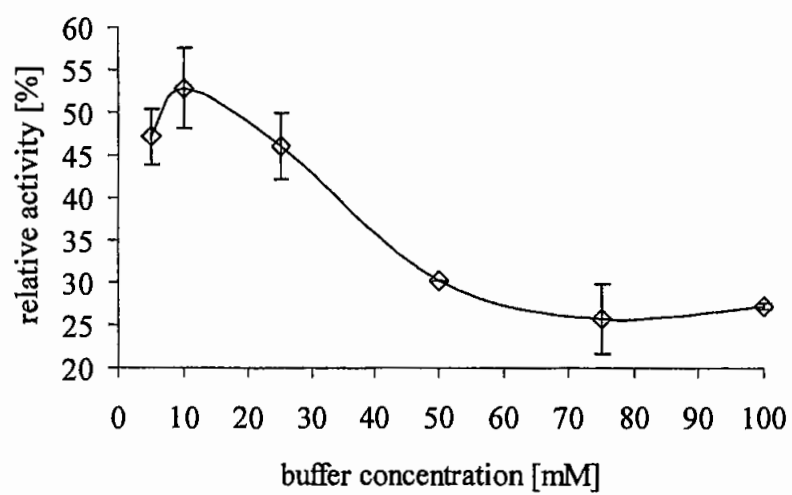
FIG. 3-8

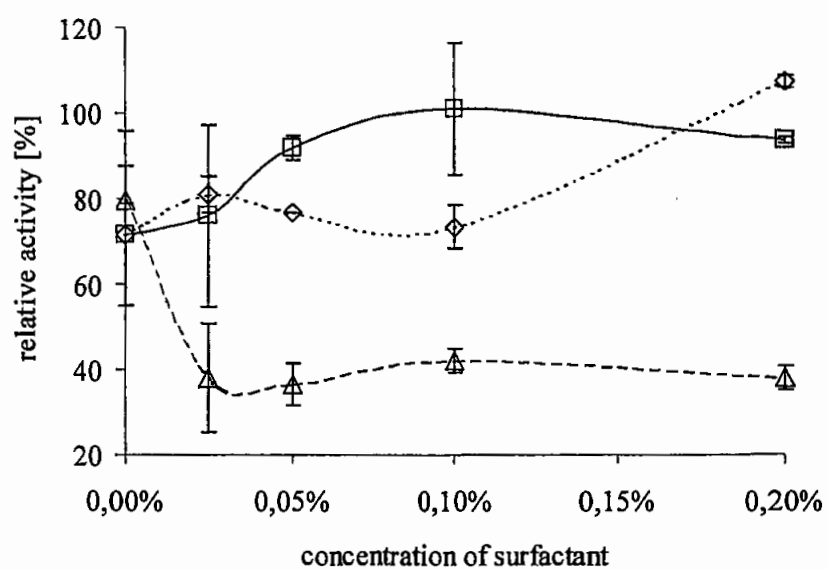
FIG. 3-9

FIG. 3-10

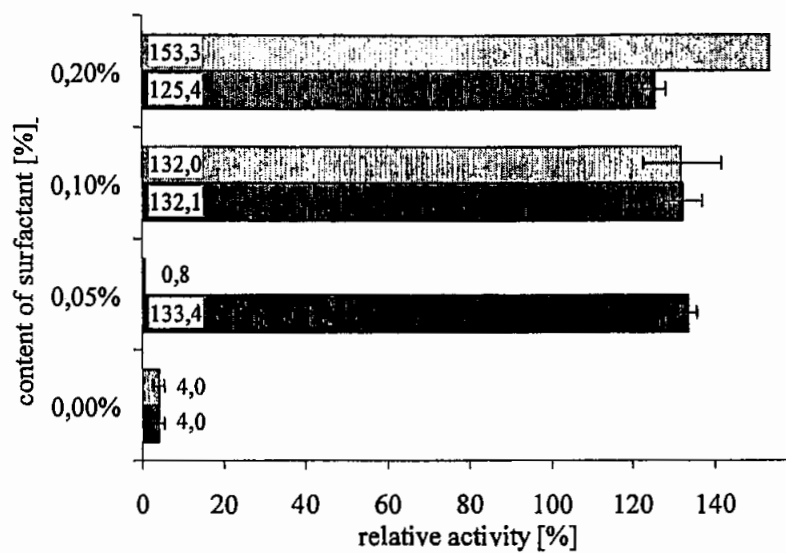


FIG. 3-11

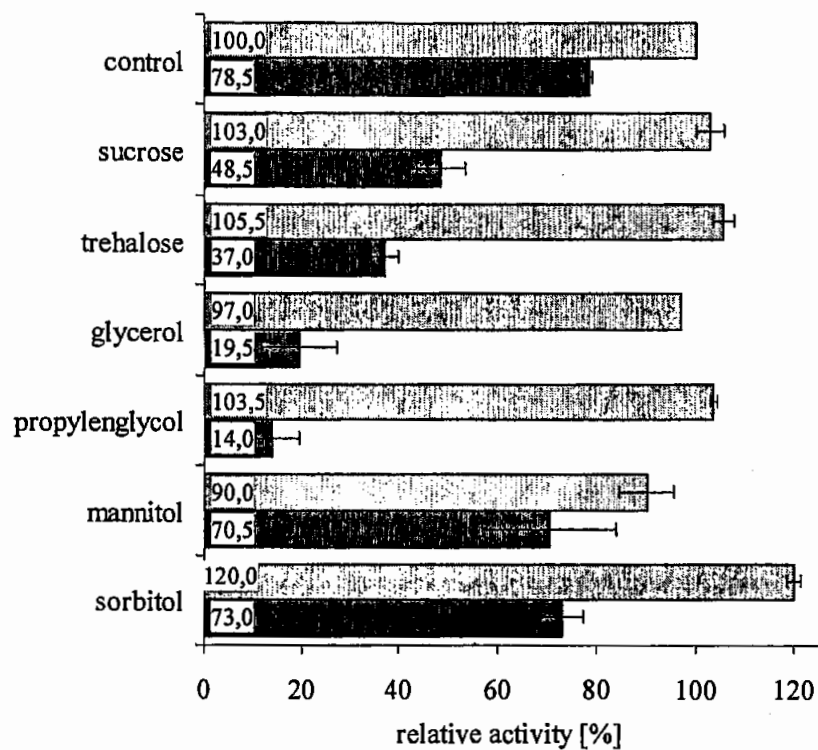


FIG. 3-12

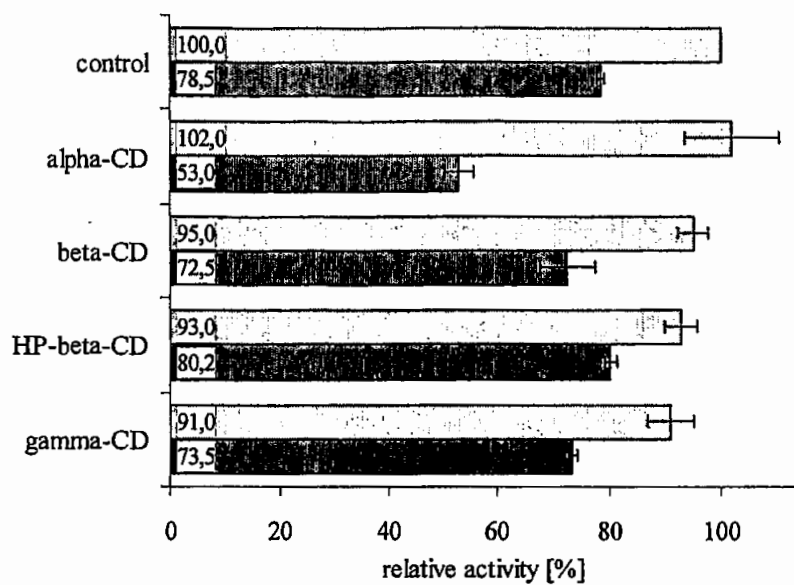


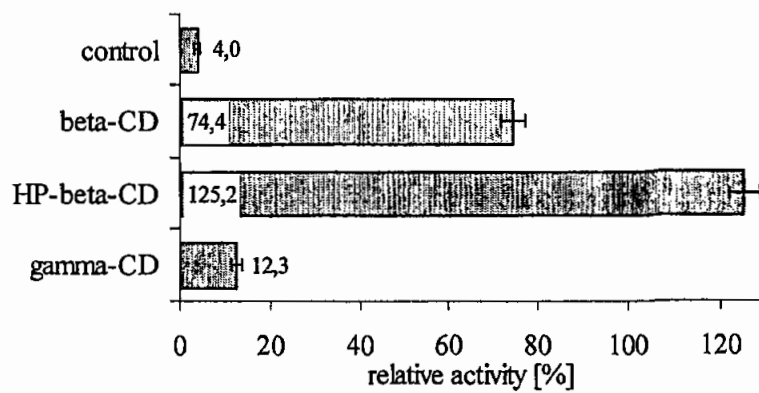
FIG. 3-13

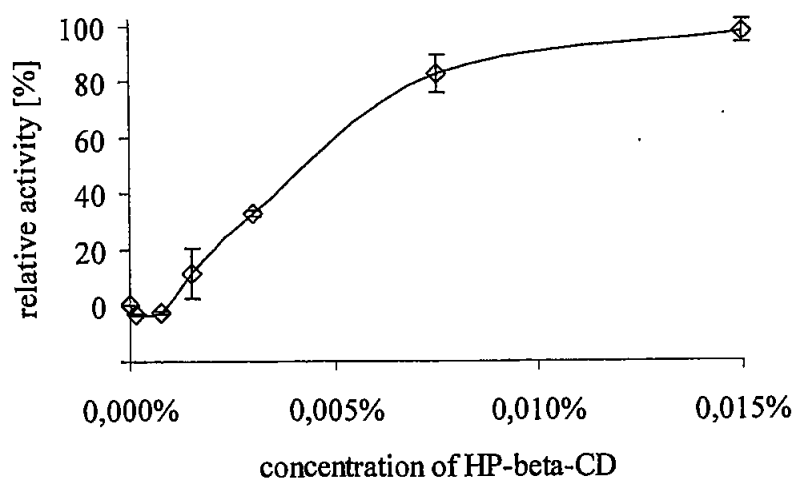
FIG. 3-14

FIG. 3-15

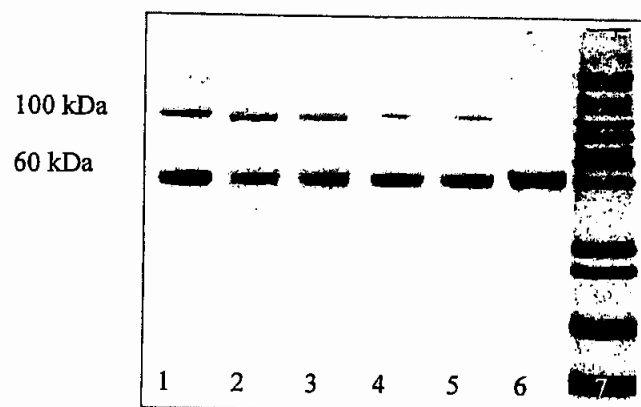


FIG. 3-16

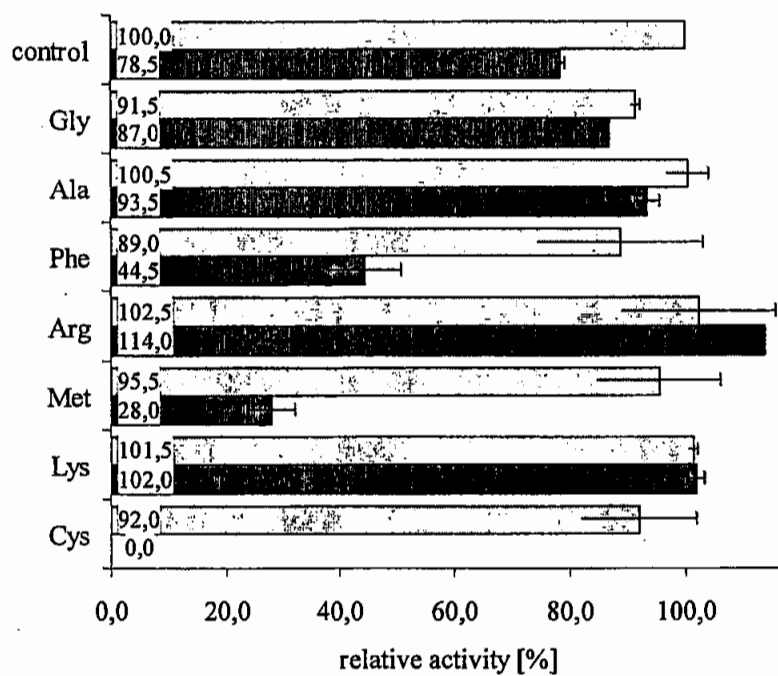


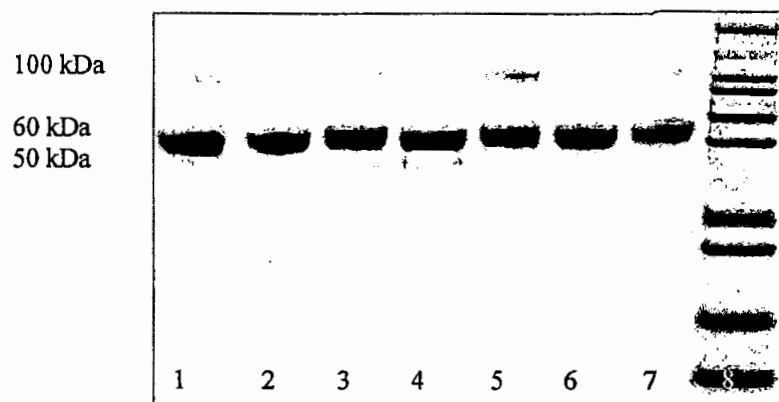
FIG. 3-17

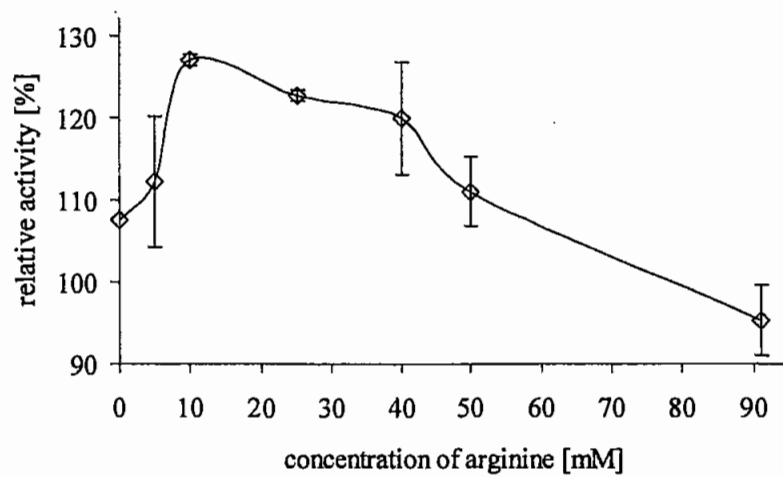
FIG. 3-18

FIG. 3-19

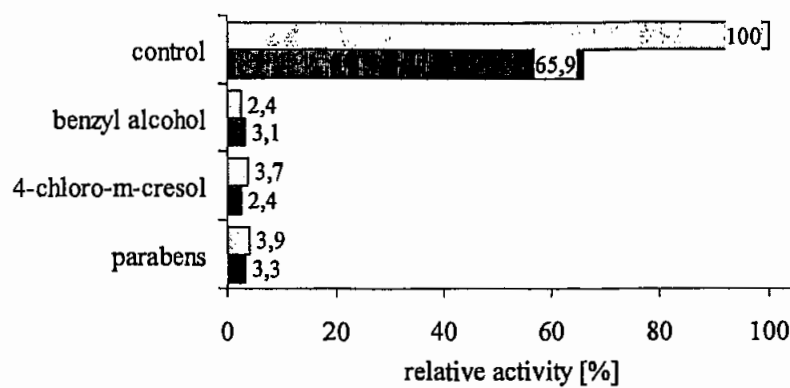


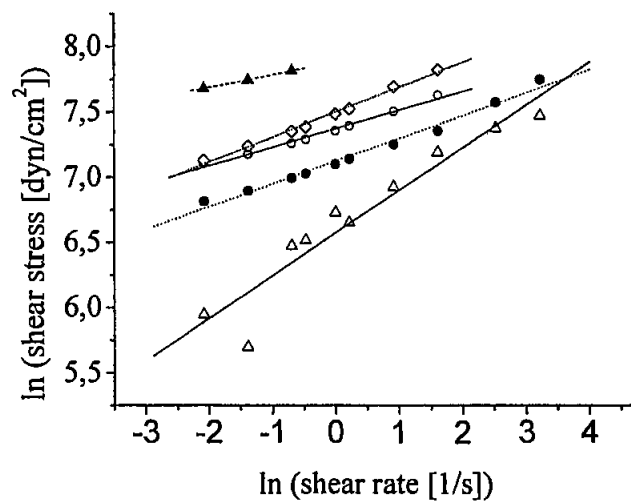
FIG. 3-20

FIG. 3-21

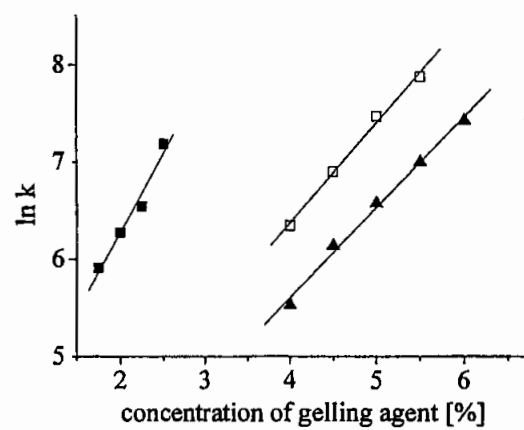


FIG. 3-22

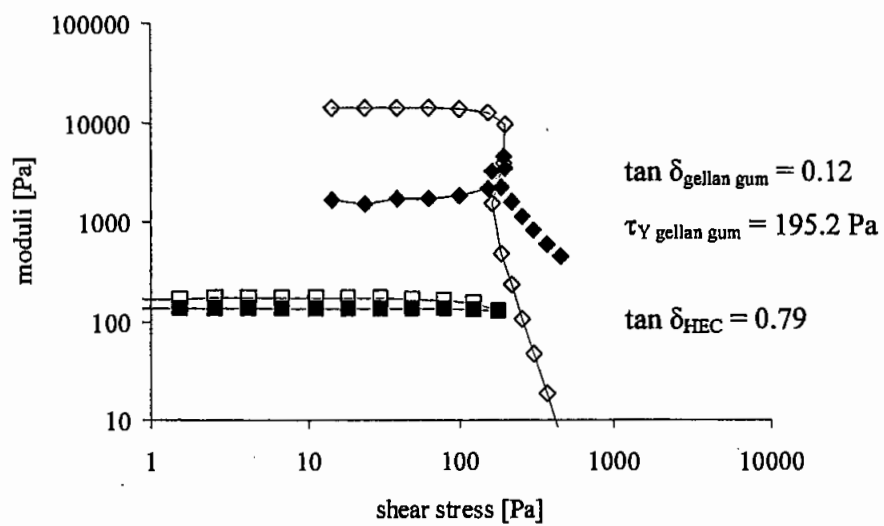


FIG. 3-23

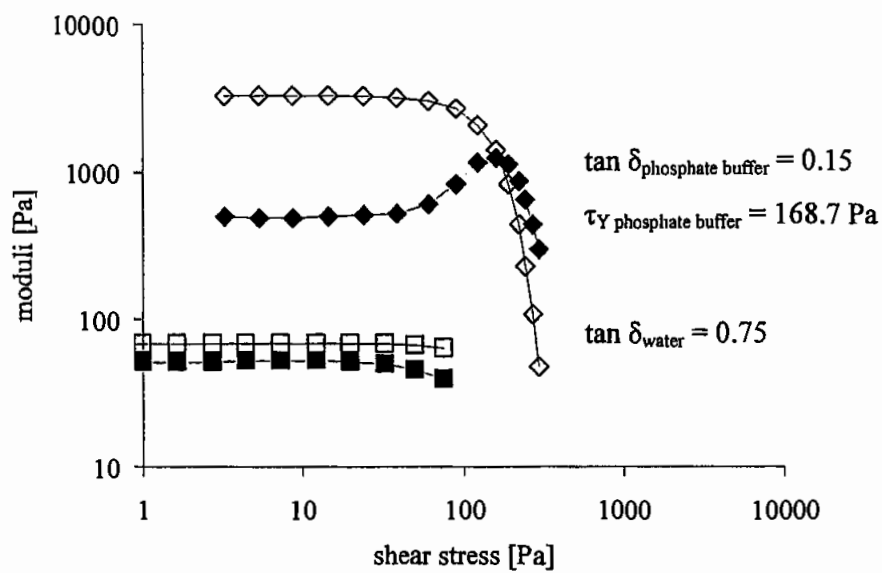


FIG. 3-24

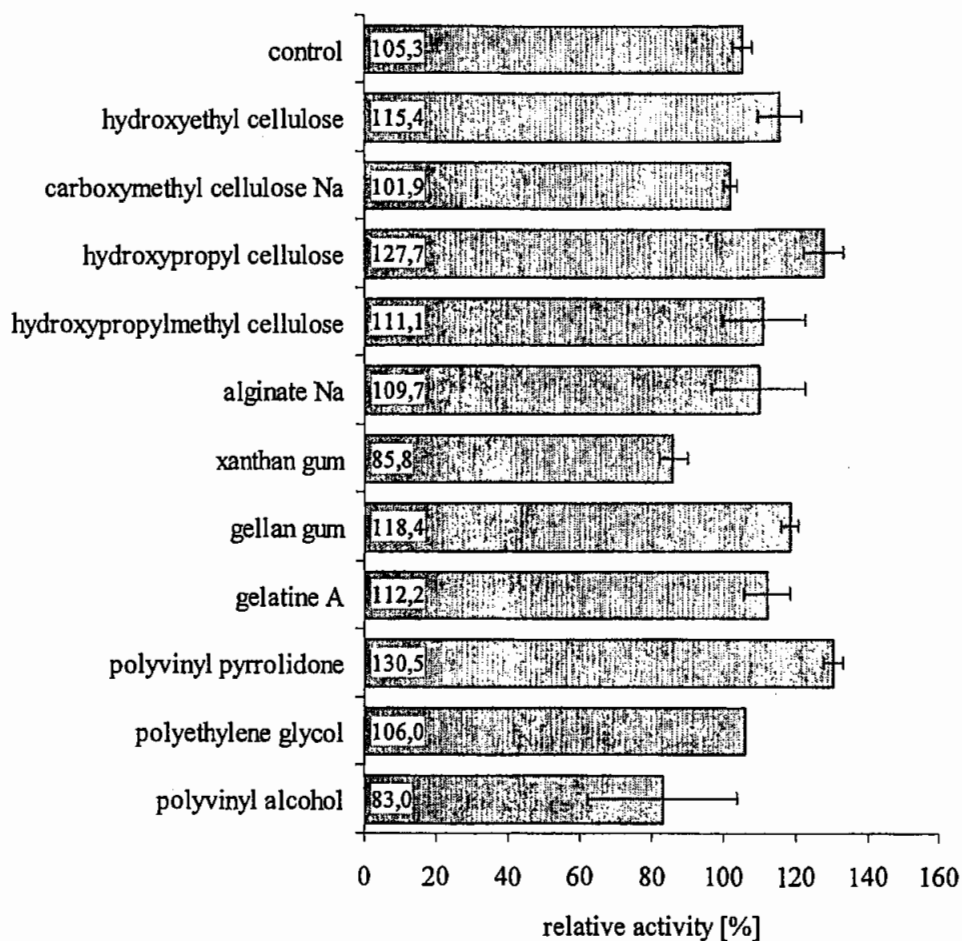


FIG. 3-25

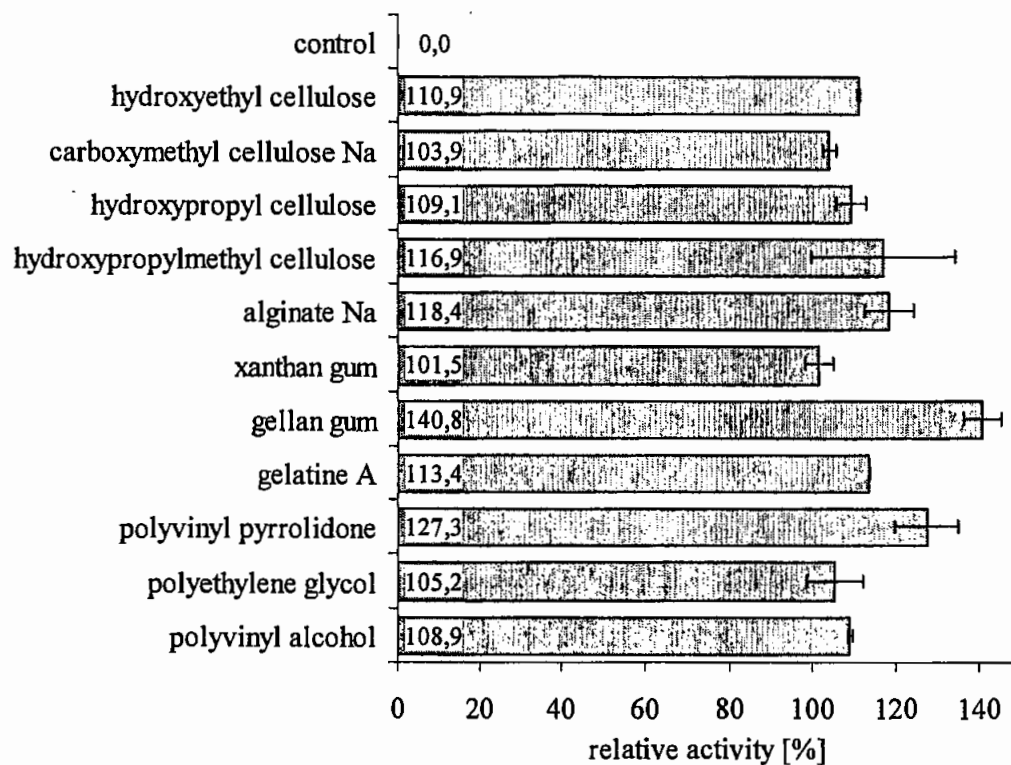


FIG. 3-26

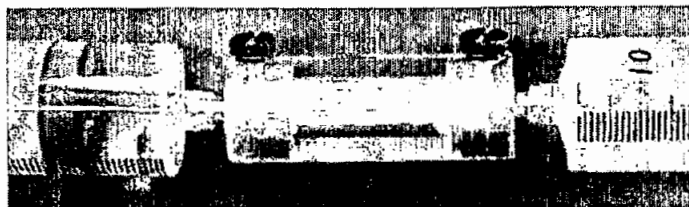


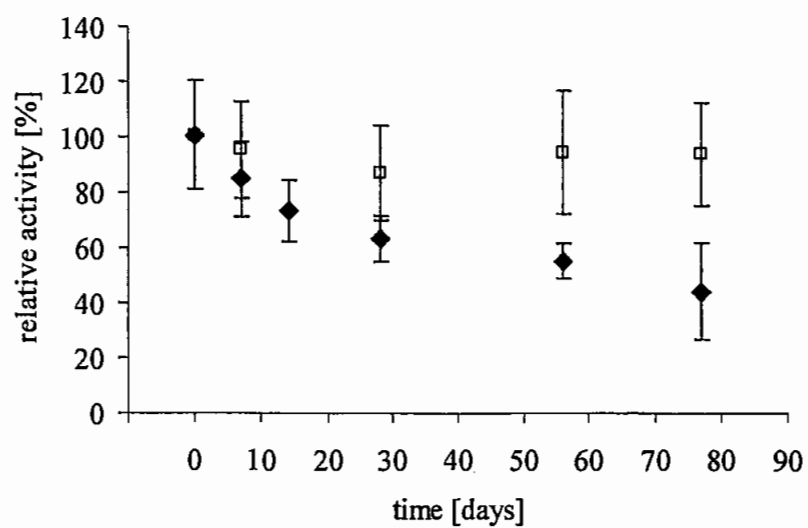
FIG. 3-27

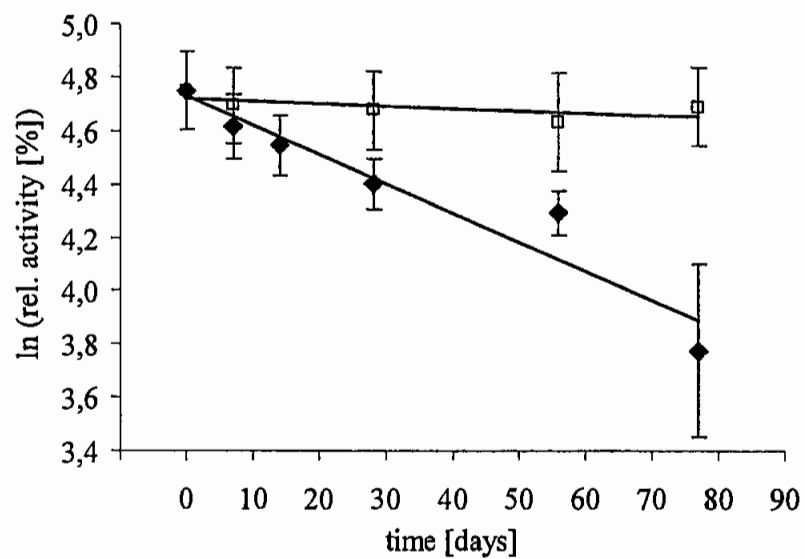
FIG. 3-28

FIG. 3-29

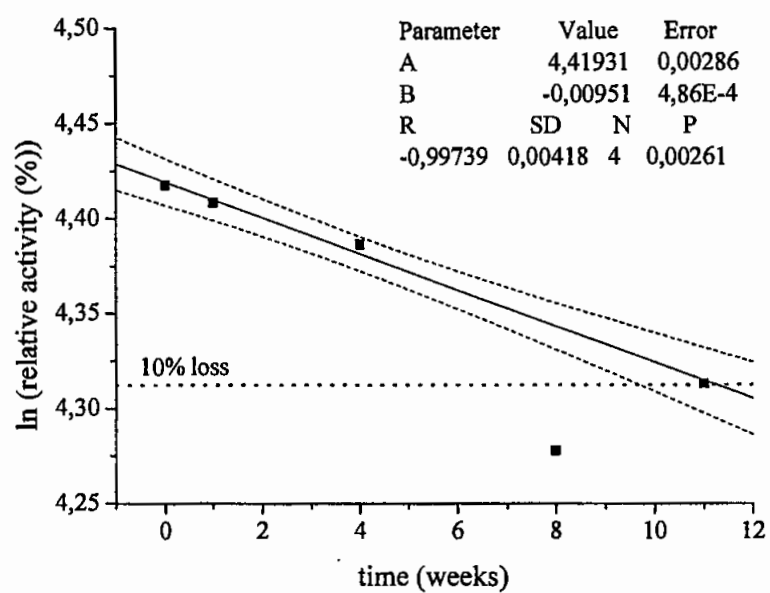


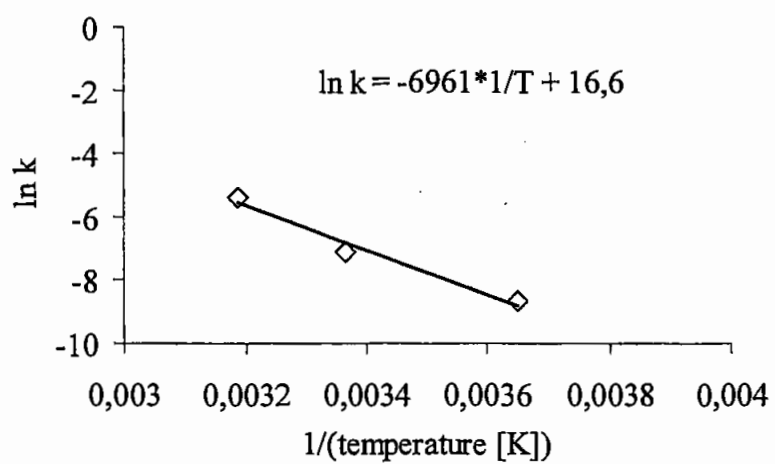
FIG. 3-30

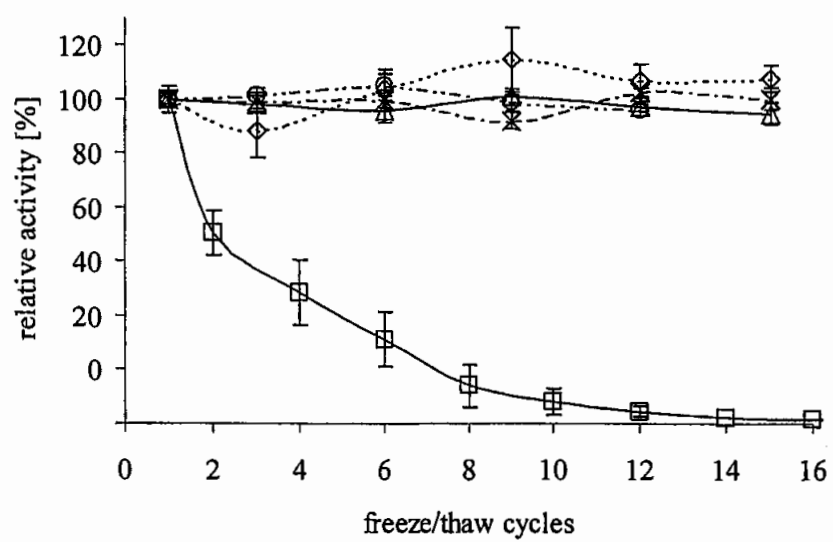
FIG. 3-31

FIG. 3-32

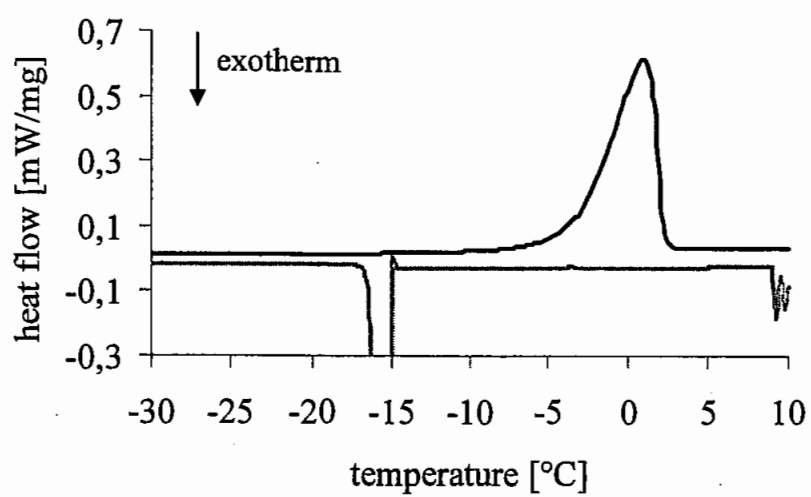


FIG. 3-33

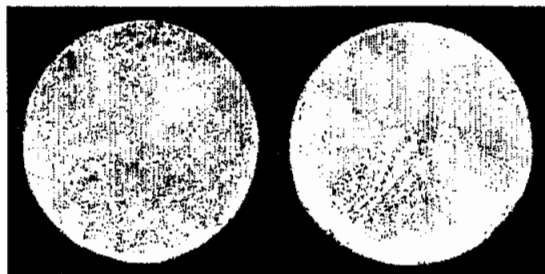


FIG. 3-34

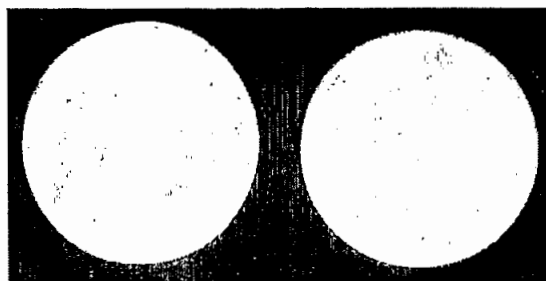


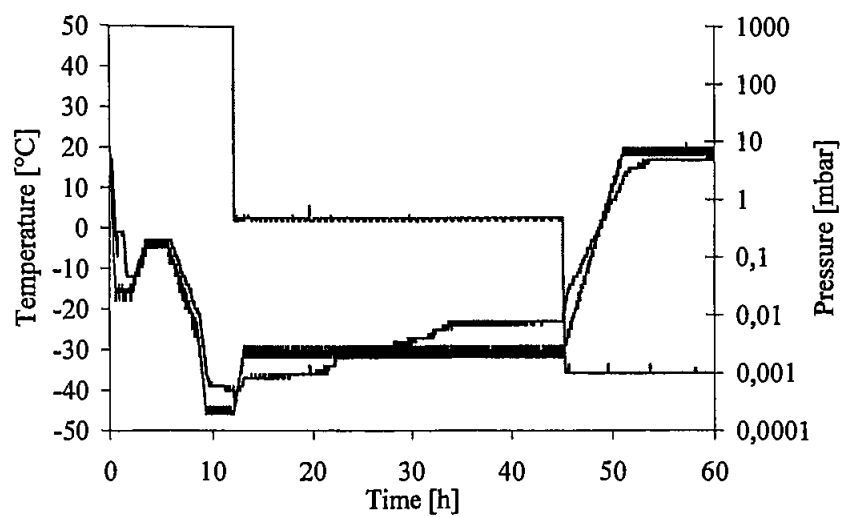
FIG. 3-35

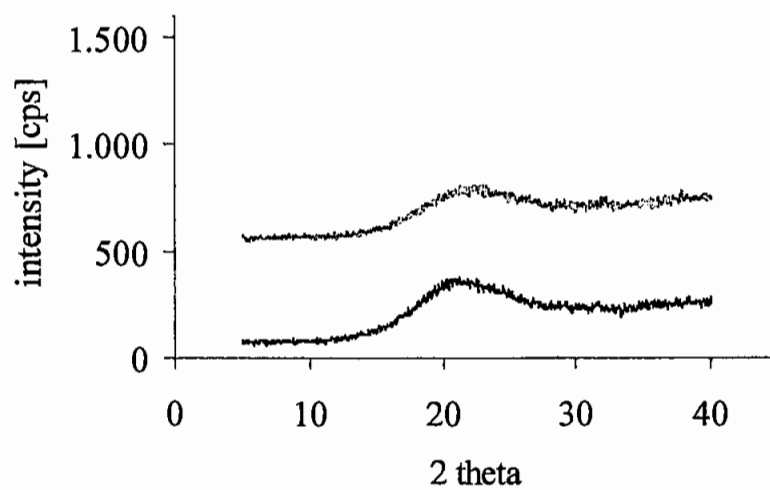
FIG. 3-36

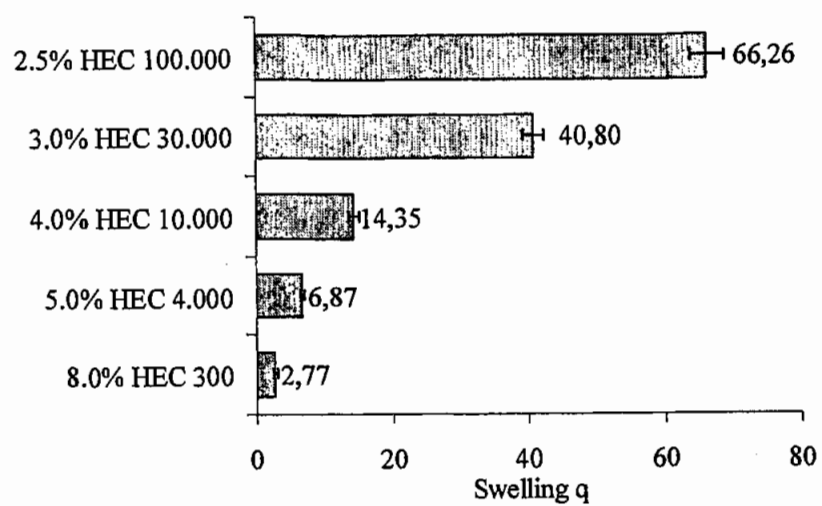
FIG. 3-37

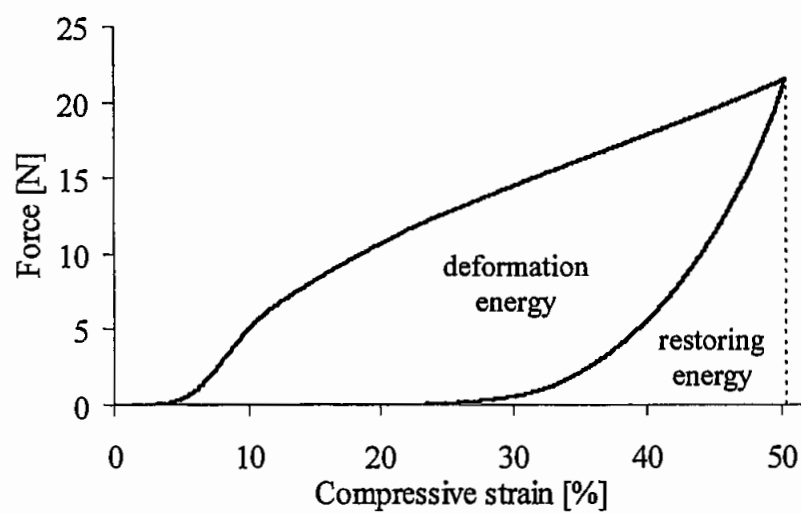
FIG. 3-38

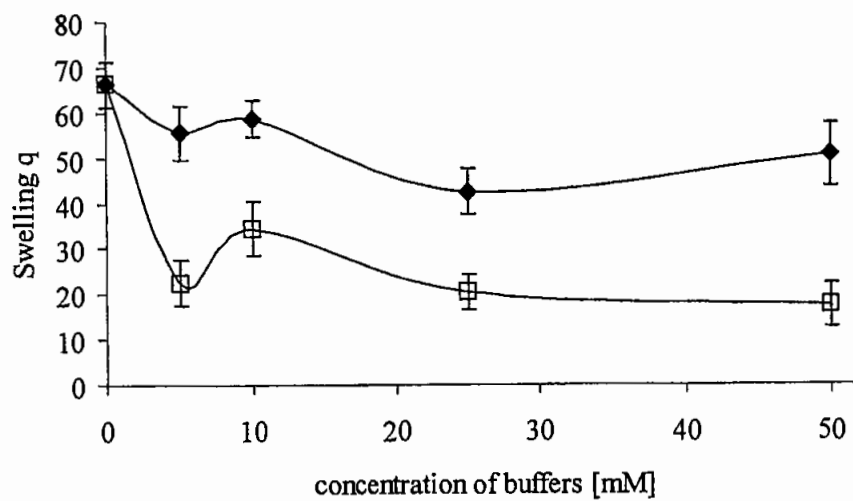
FIG. 3-39

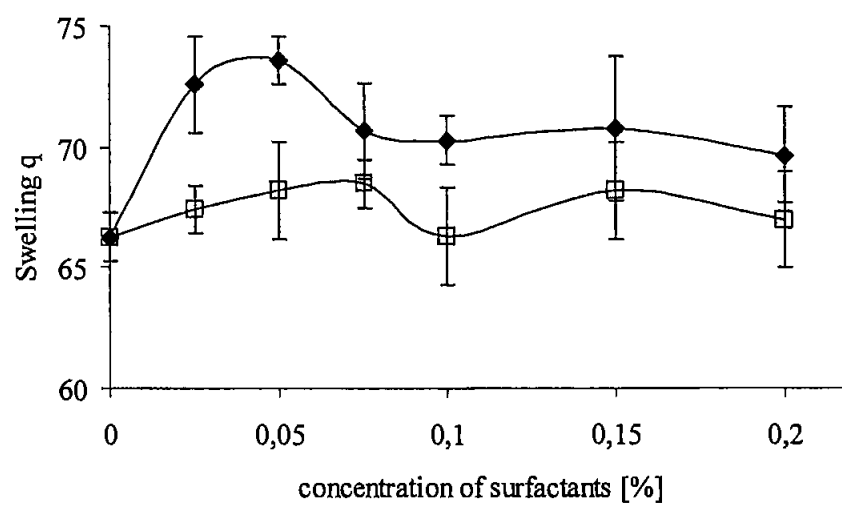
FIG. 3-40

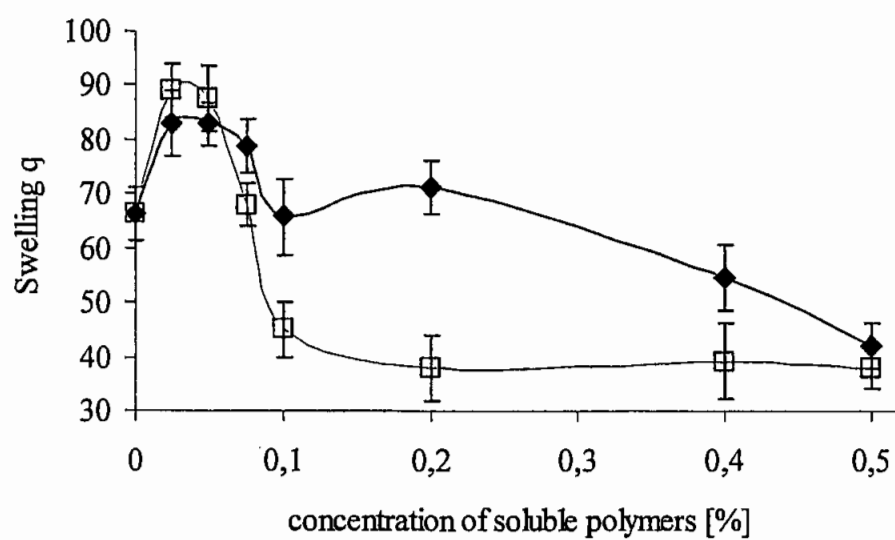
FIG. 3-41

FIG. 3-42

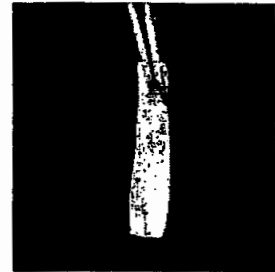
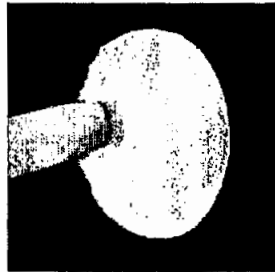
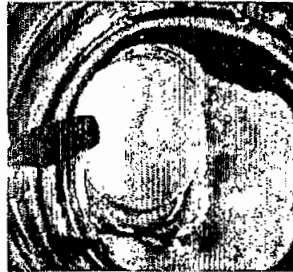
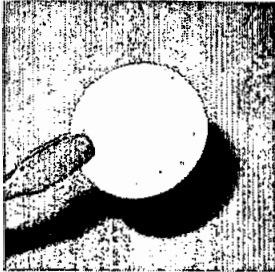


FIG. 3-43

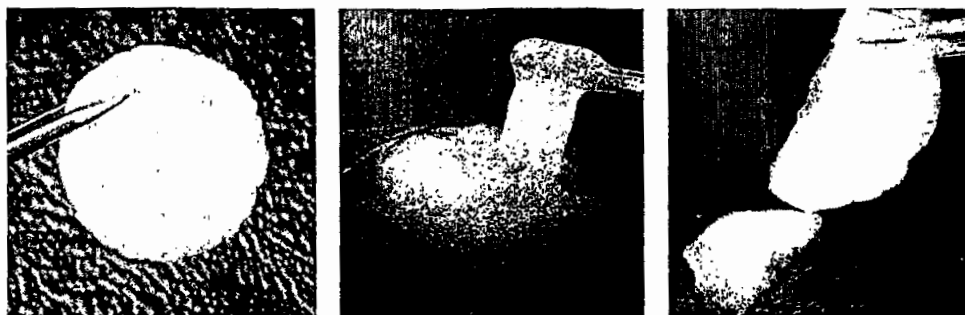


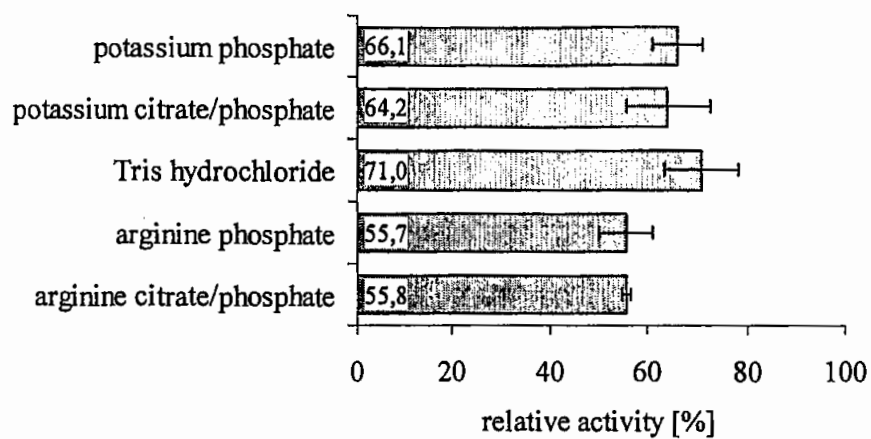
FIG. 3-44

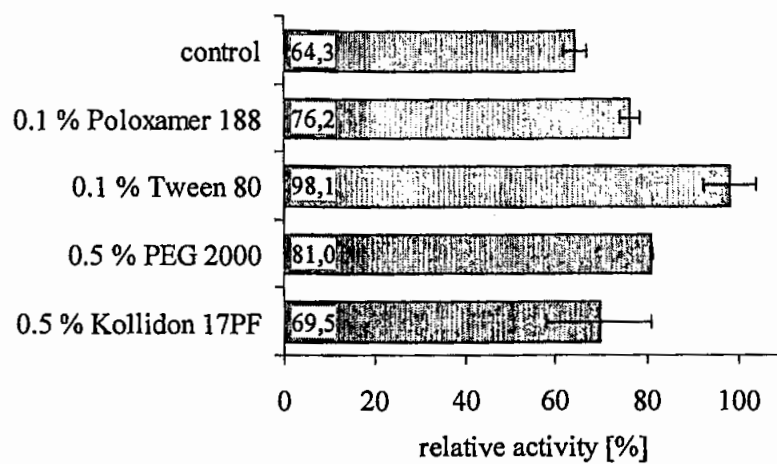
FIG. 3-45

FIG. 3-46

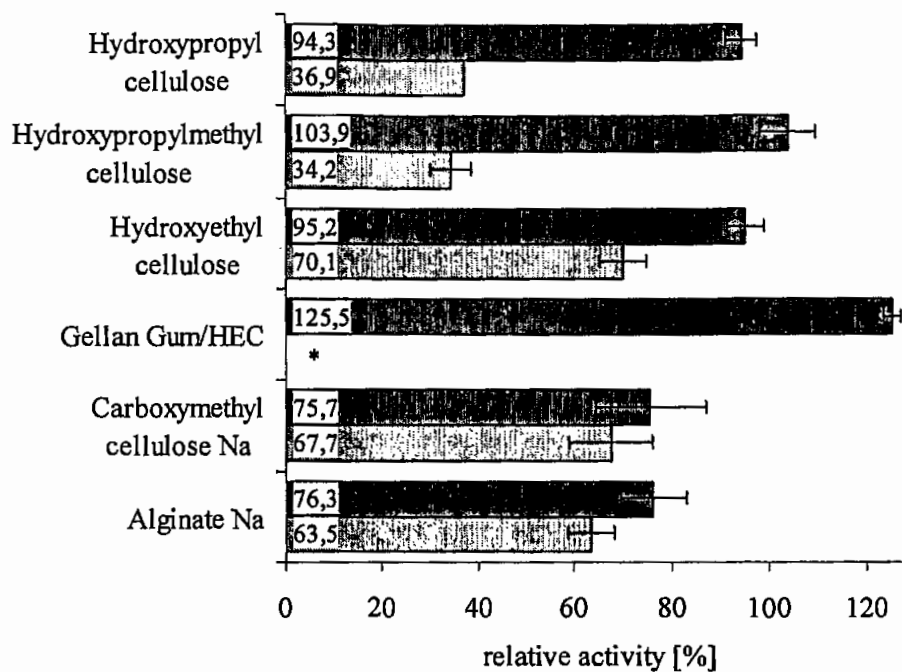


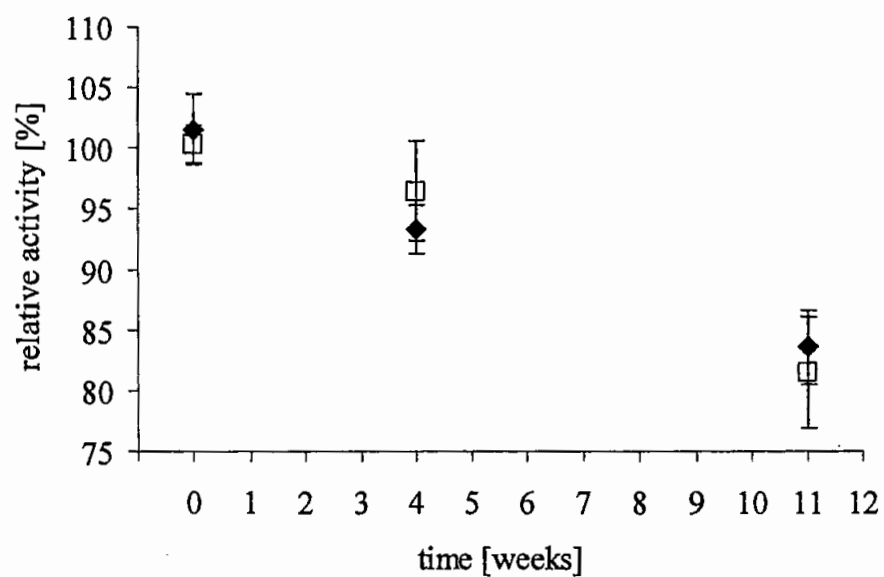
FIG. 3-47

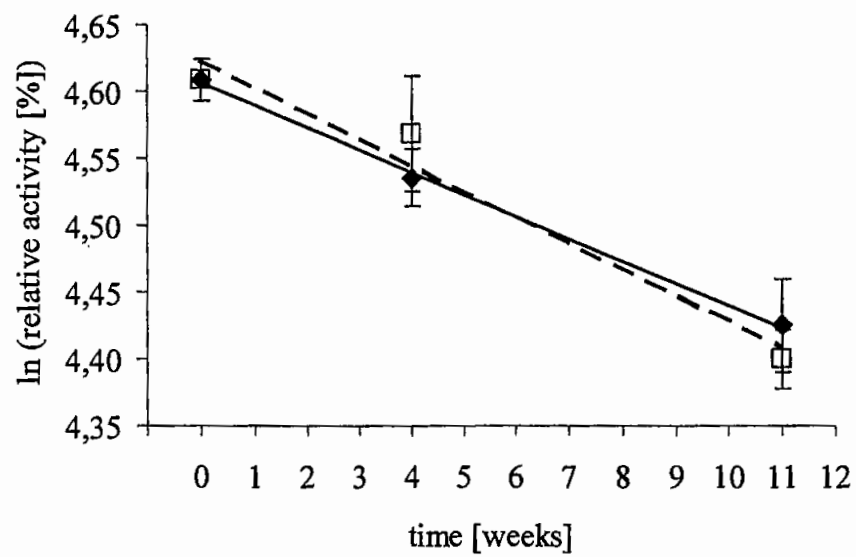
FIG. 3-48

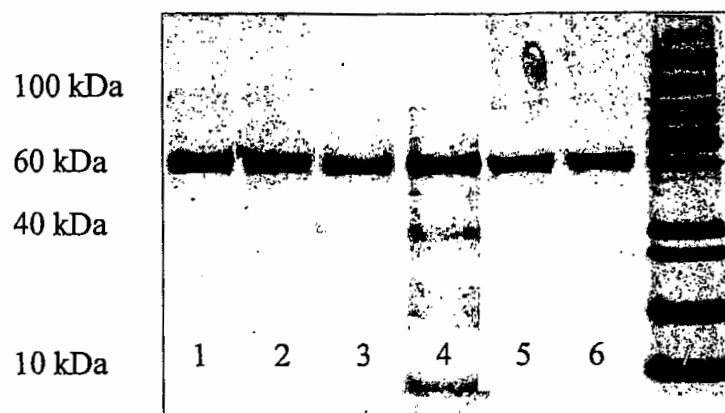
FIG. 3-49

FIG. 3-50

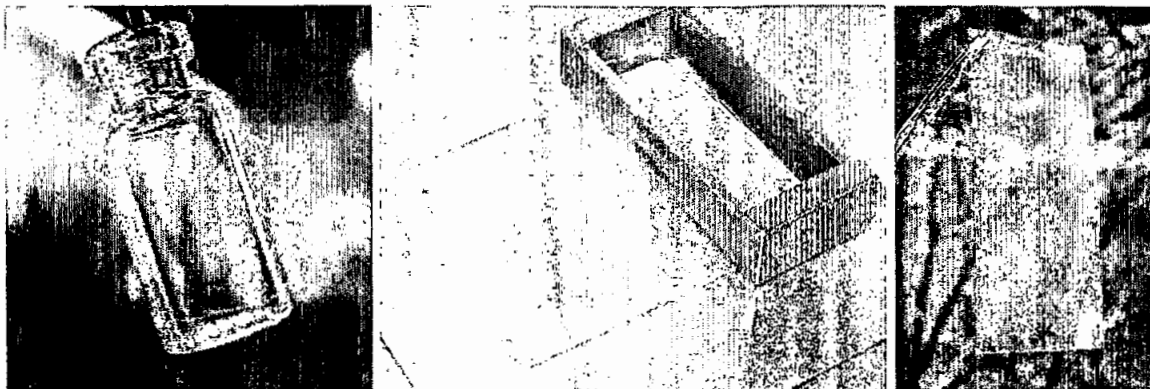


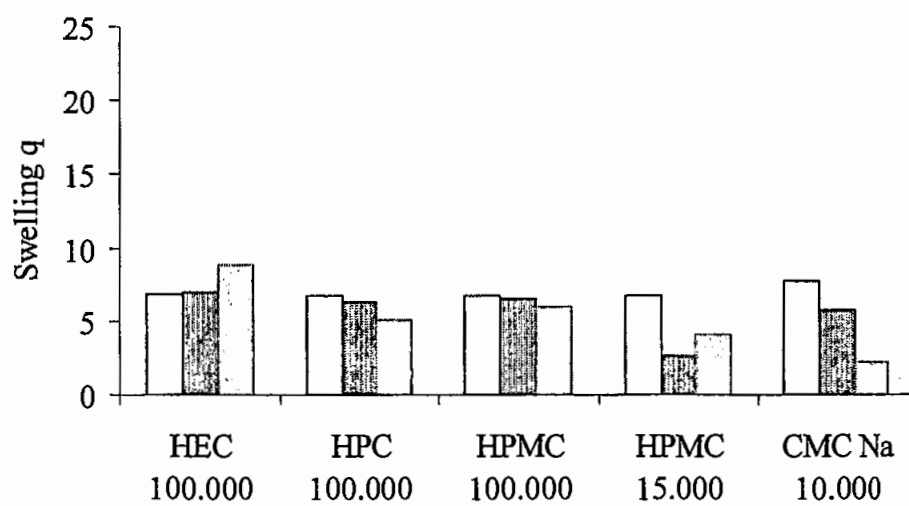
FIG. 3-51

FIG. 3-52

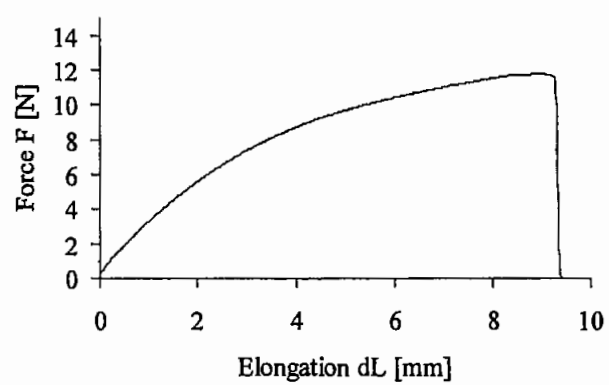
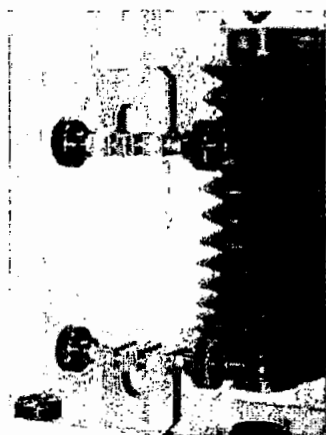


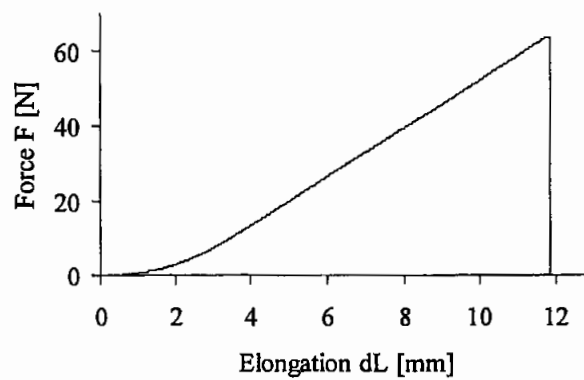
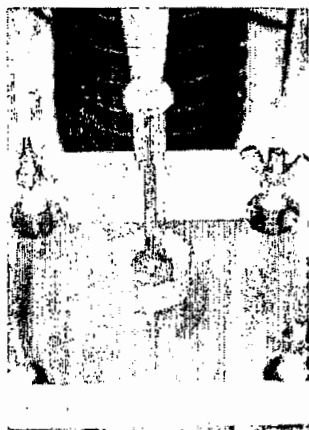
FIG. 3-53

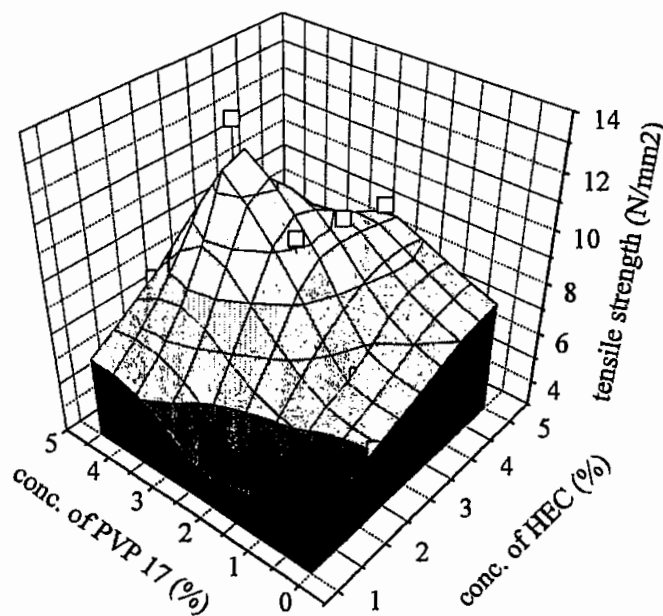
FIG. 3-54

FIG. 3-55

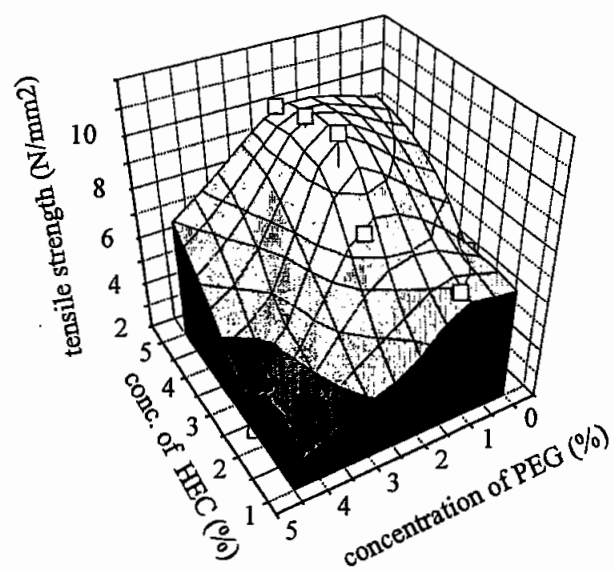


FIG. 3-56

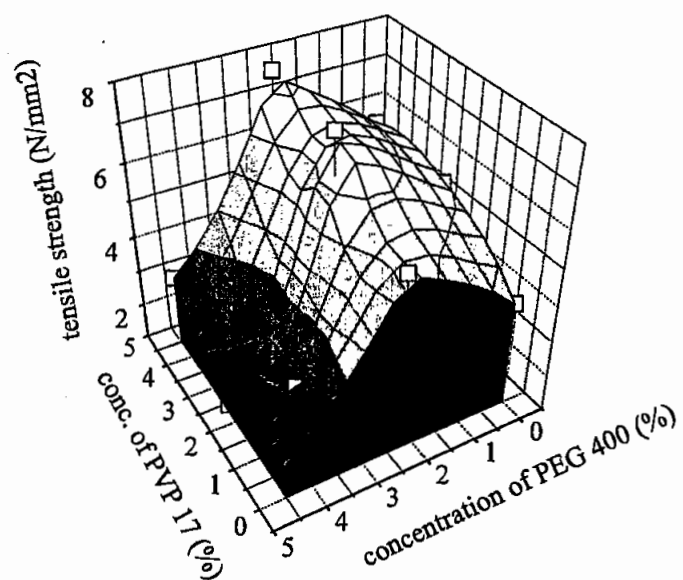


FIG. 3-57

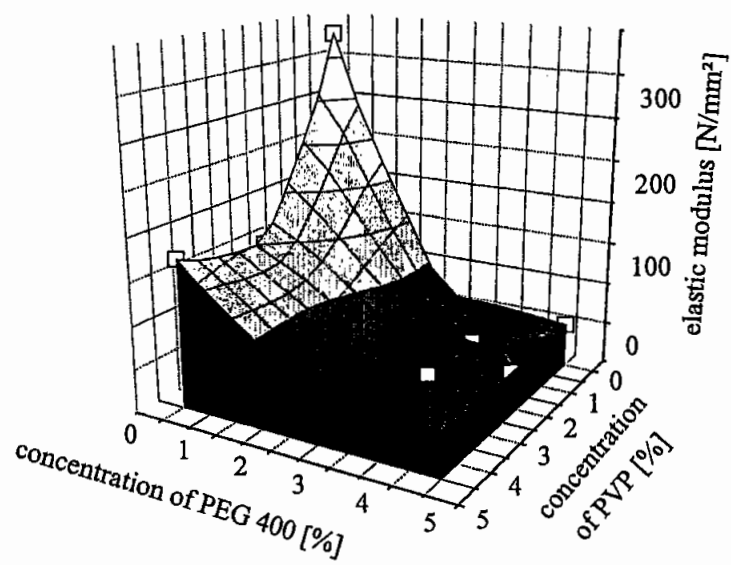


FIG. 3-58

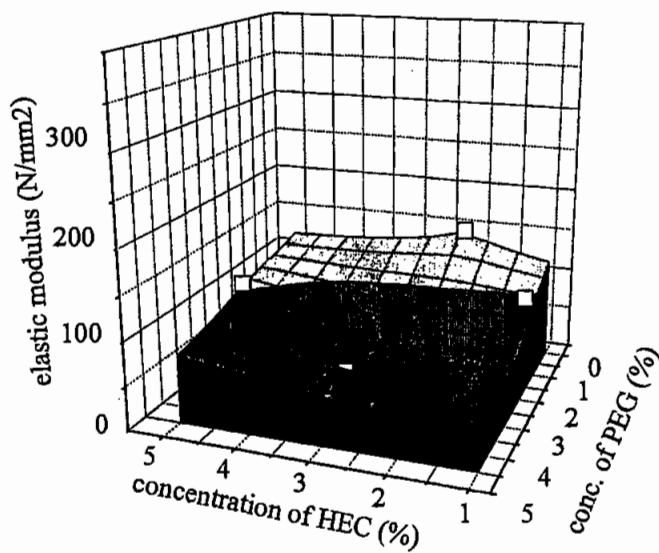


FIG. 3-59

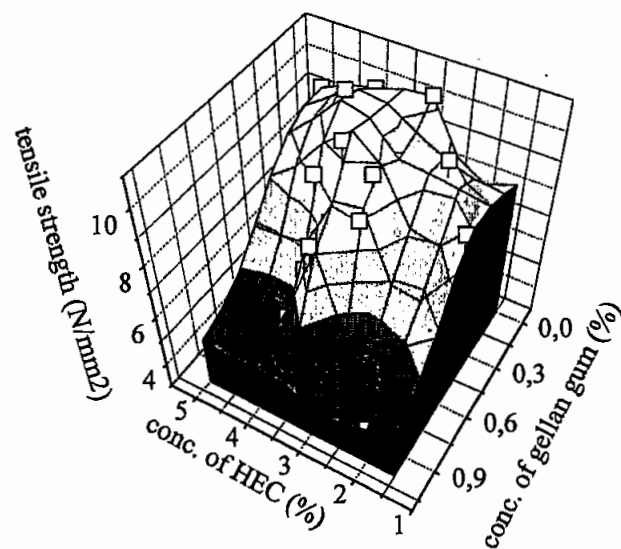


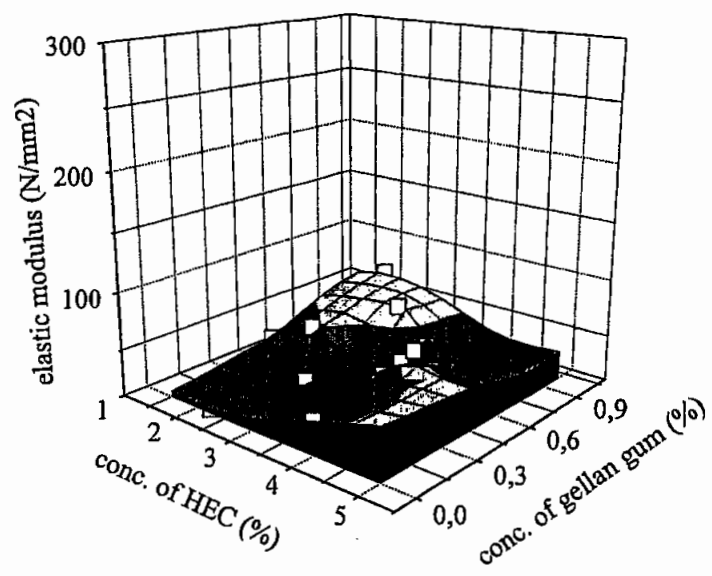
FIG. 3-60

FIG. 3-61

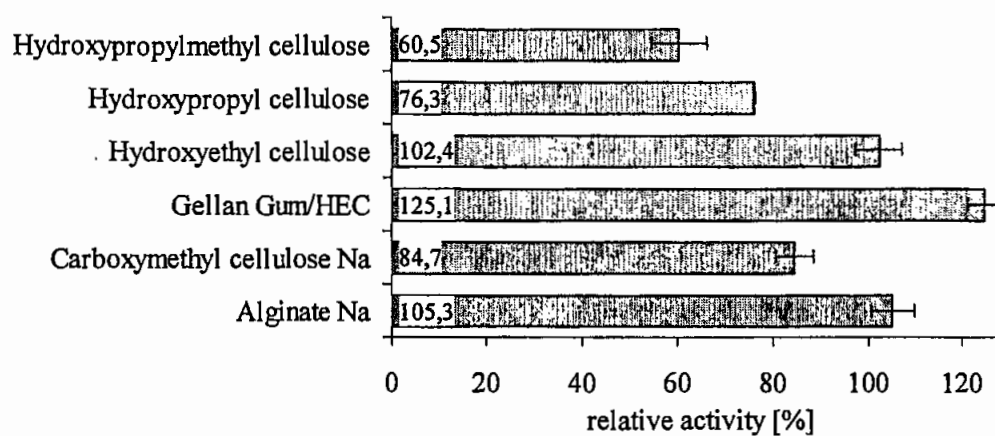


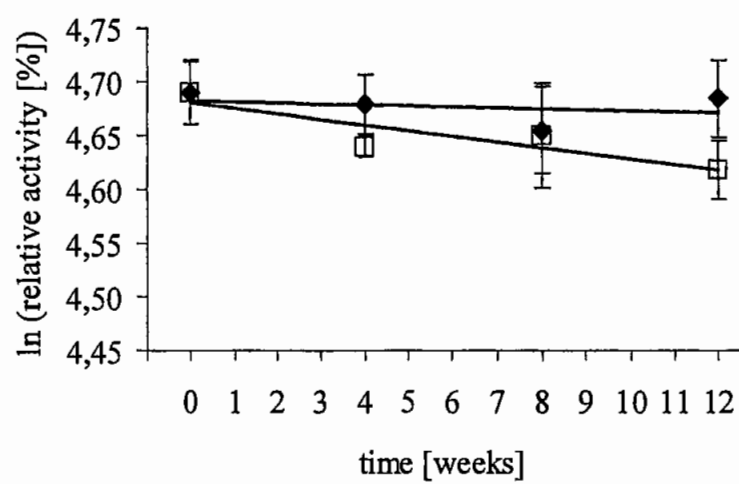
FIG. 3-62

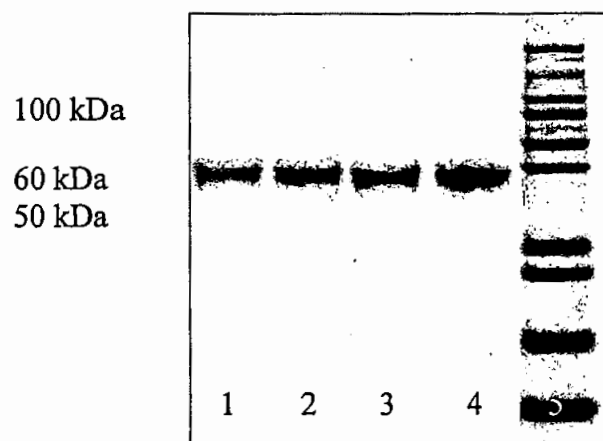
FIG. 3-63

FIG. 3-64

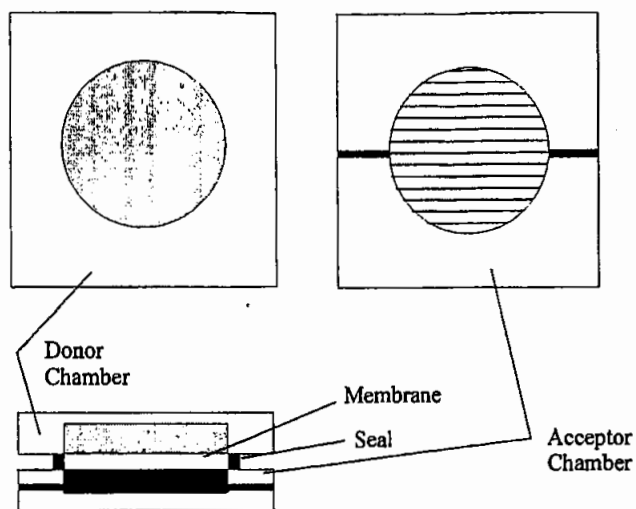


FIG. 3-65

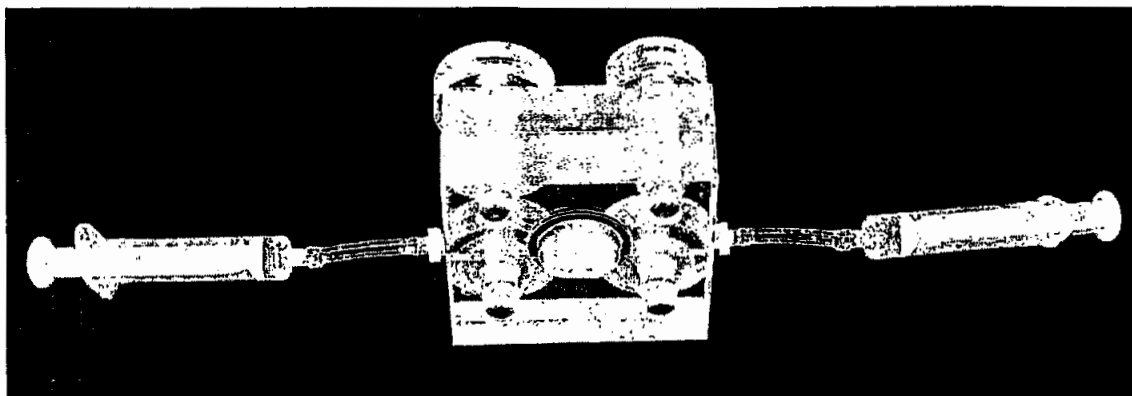


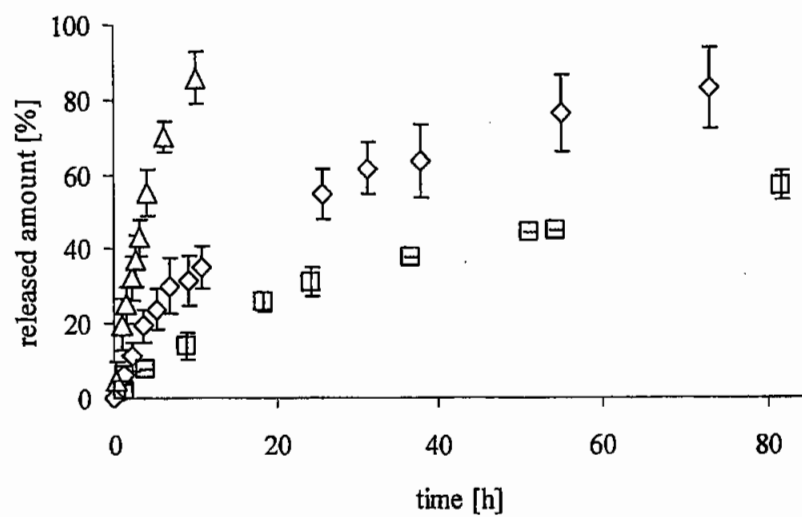
FIG. 3-66

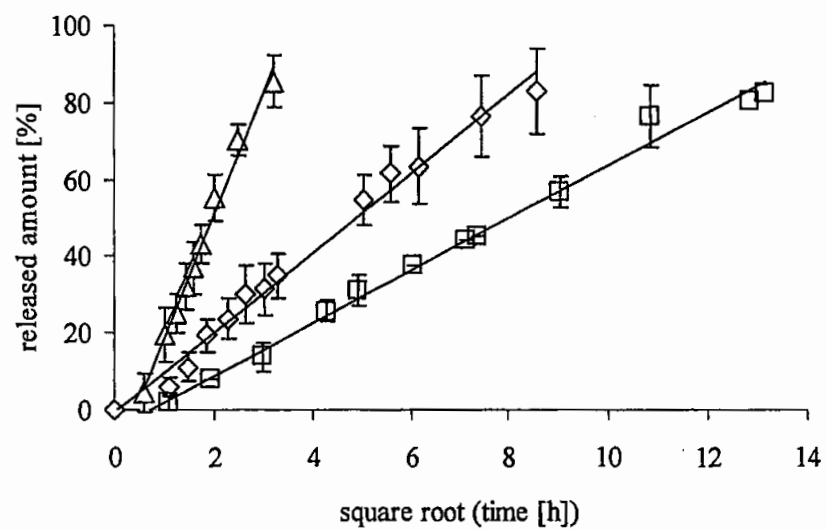
FIG. 3-67

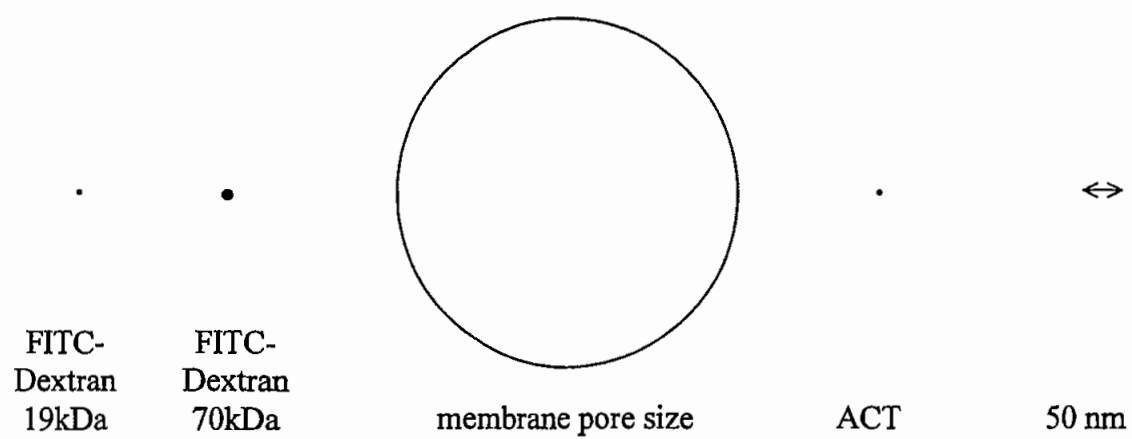
FIG. 3-68

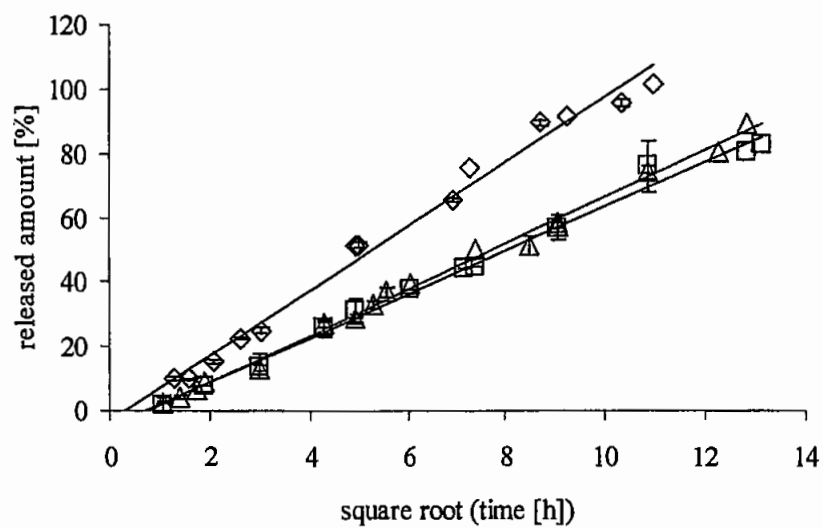
FIG. 3-69

FIG. 3-70

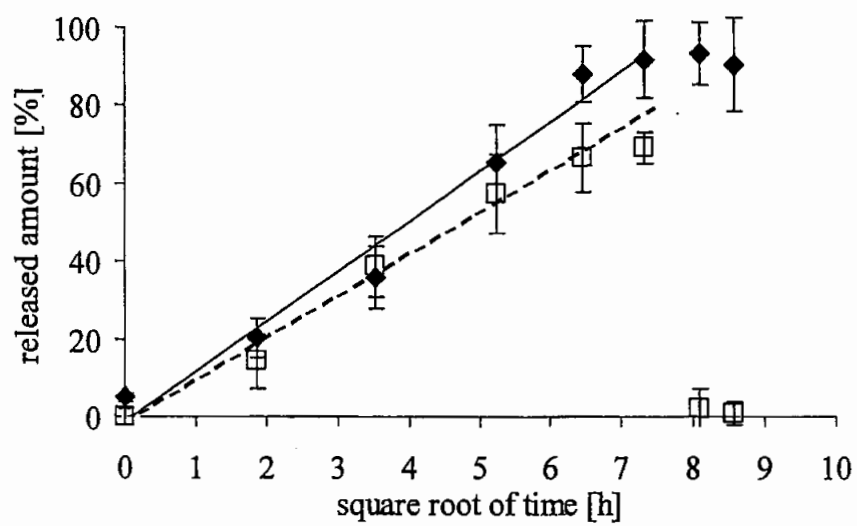


FIG. 3-71

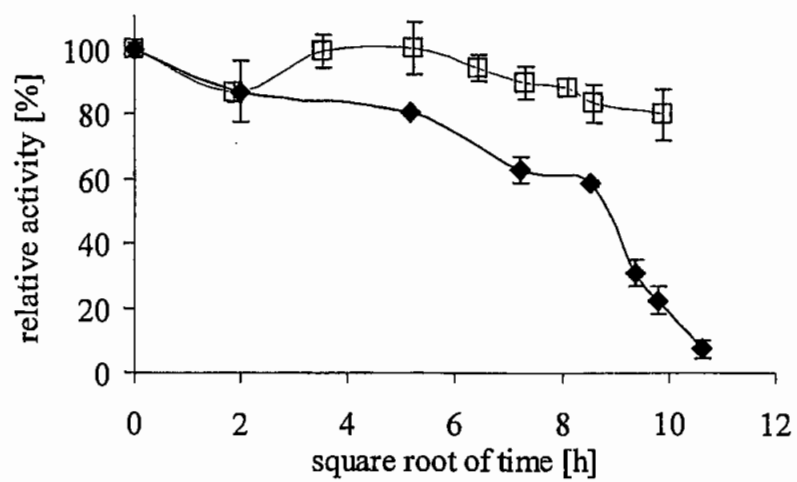


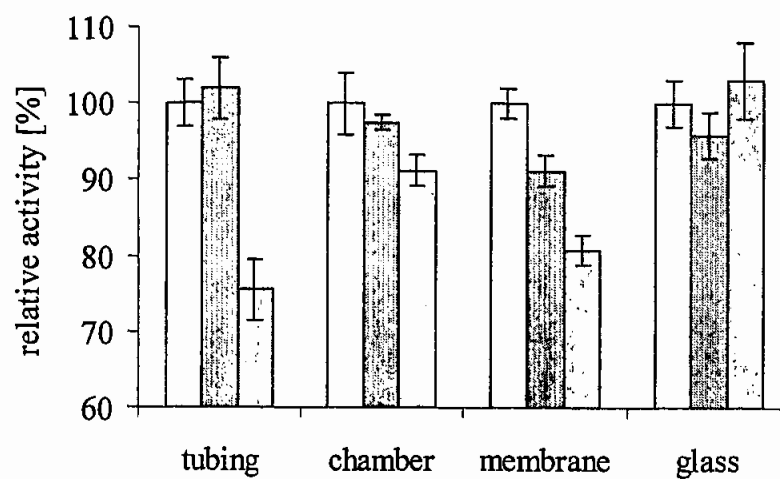
FIG. 3-72

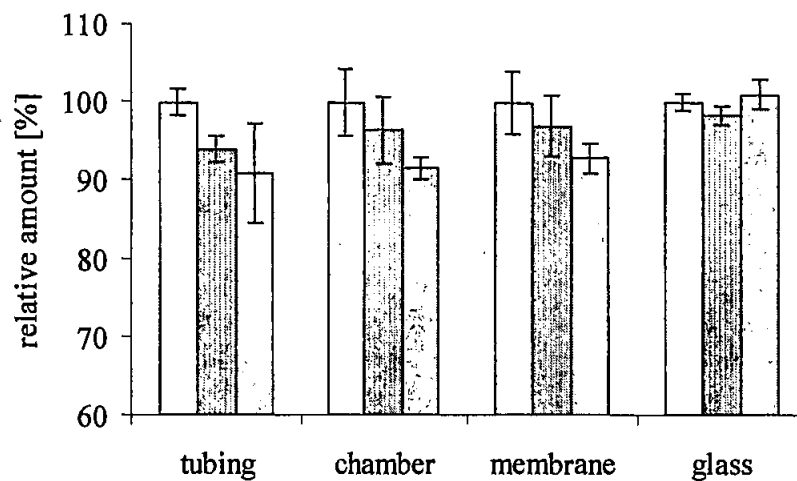
FIG. 3-73

FIG. 3-74

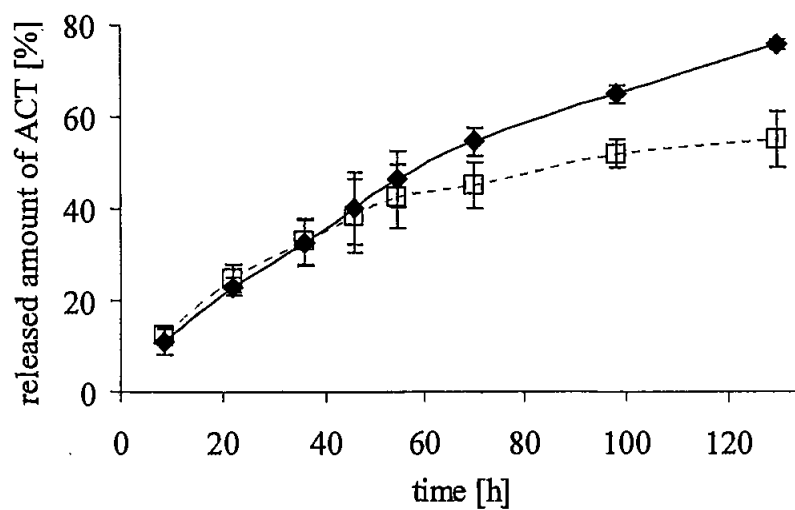


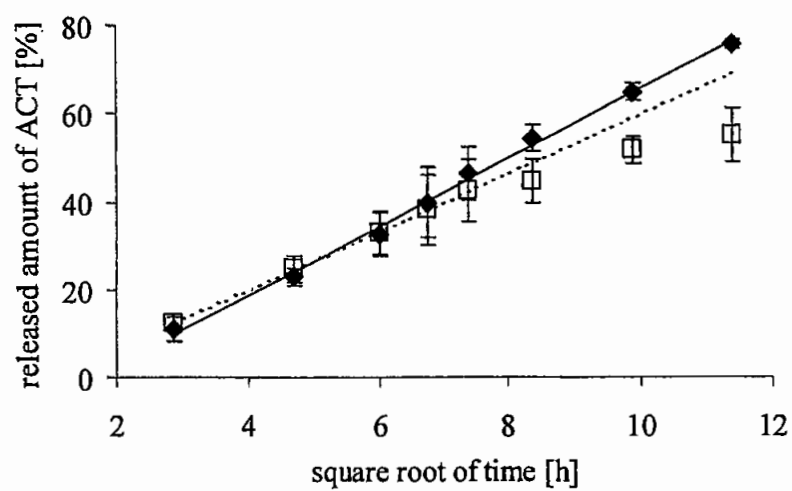
FIG. 3-75

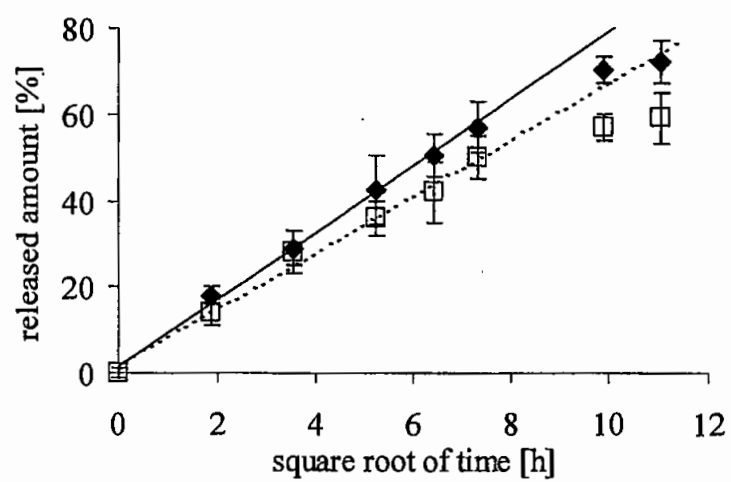
FIG. 3-76

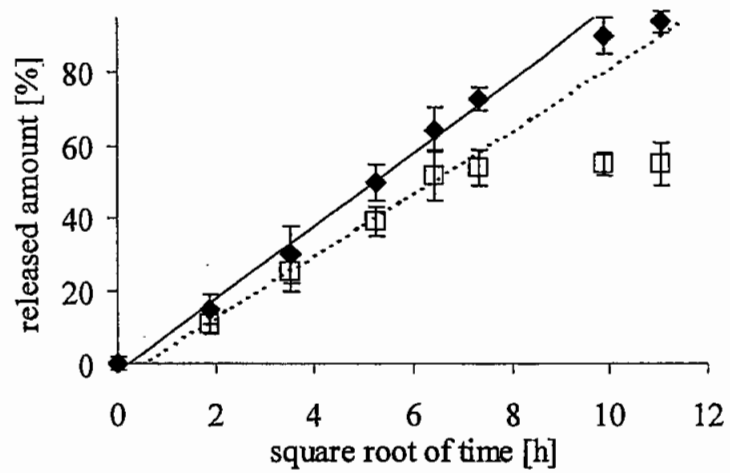
FIG. 3-77

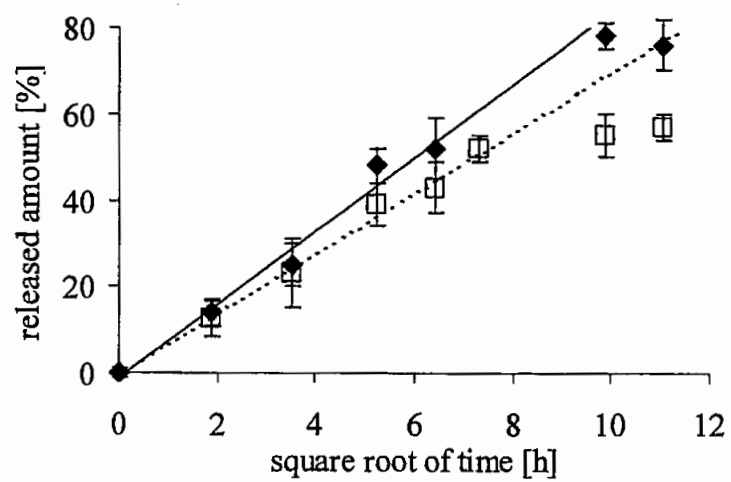
FIG. 3-78

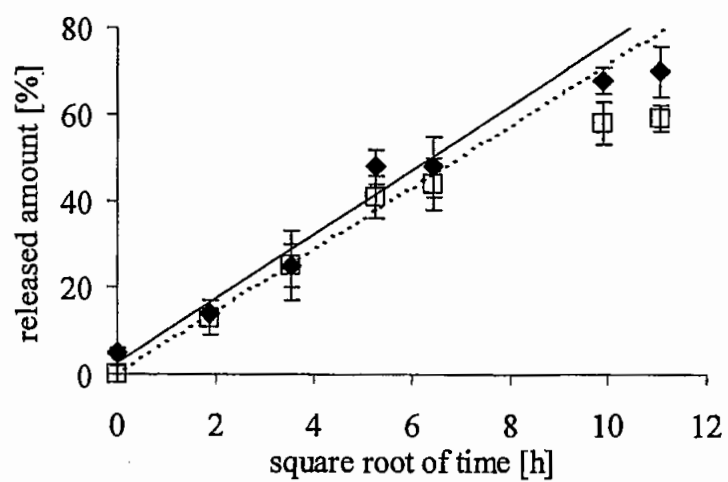
FIG. 3-79

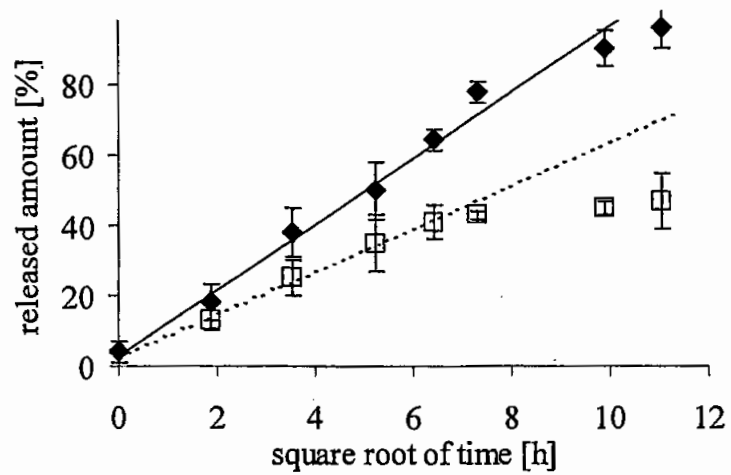
FIG. 3-80

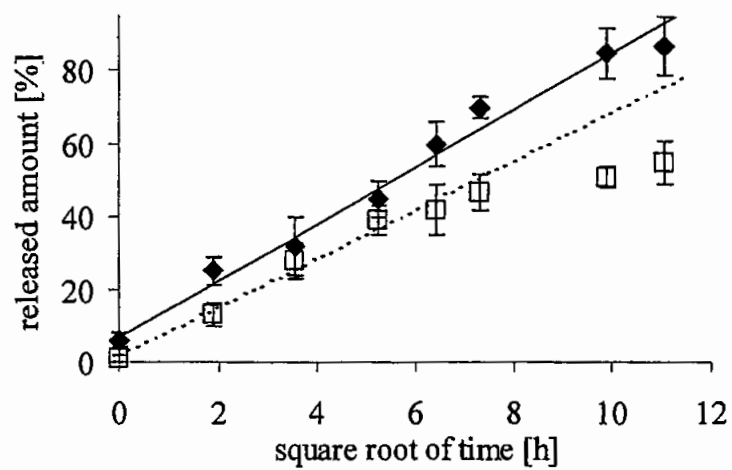
FIG. 3-81

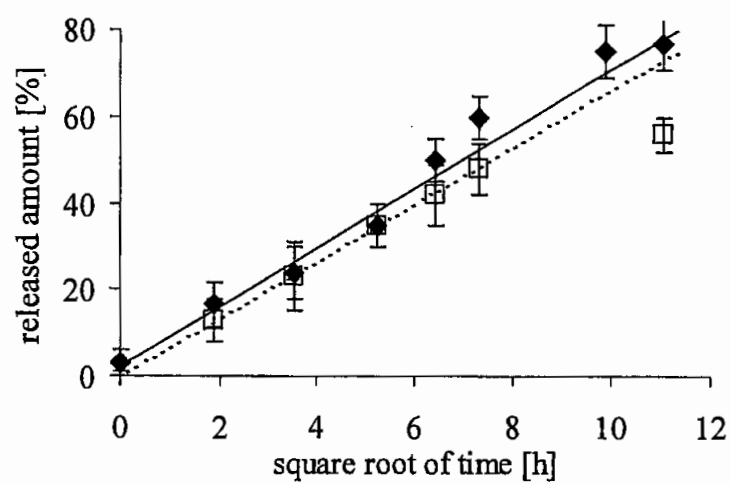
FIG. 3-82

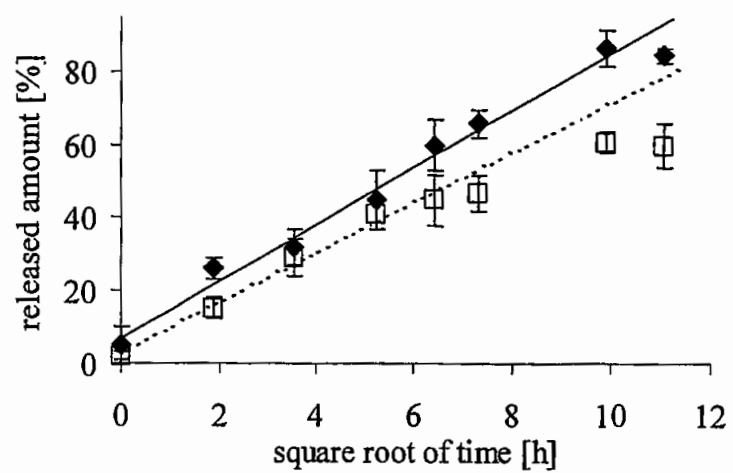
FIG. 3-83

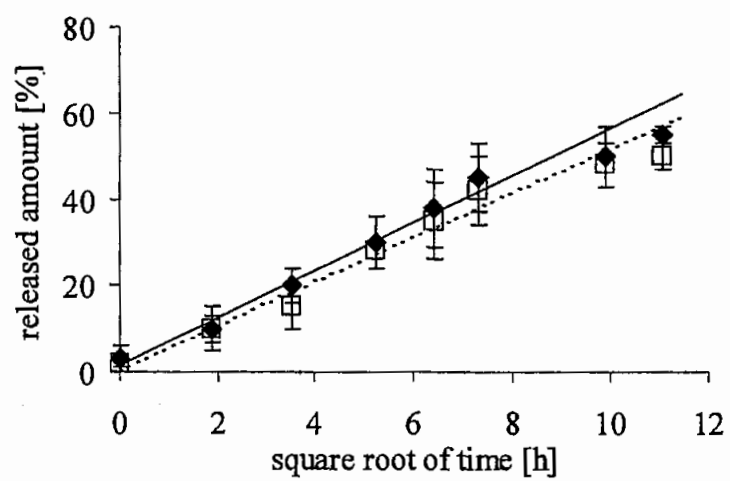
FIG. 3-84

FIG. 3-85

