

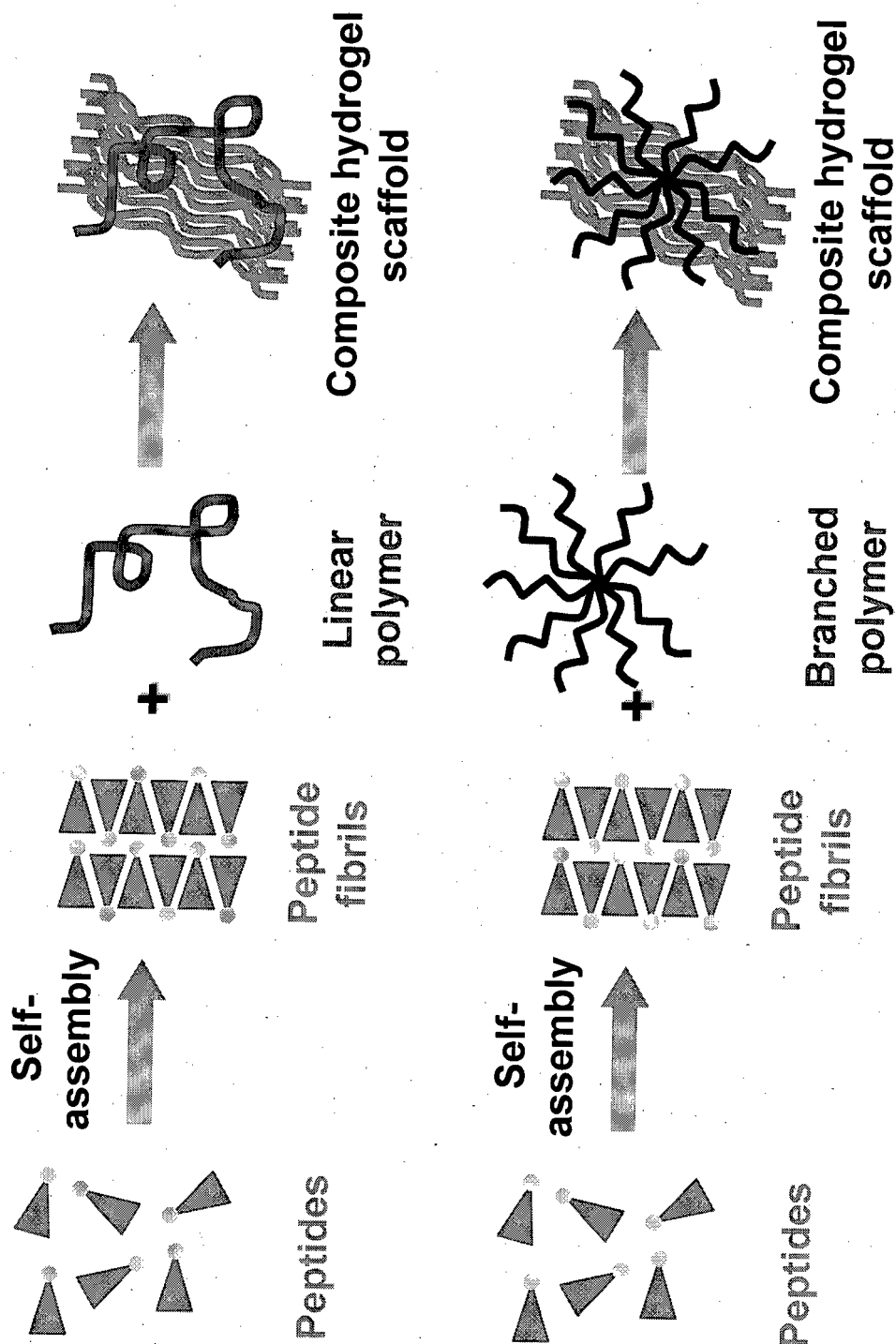


Figure 1

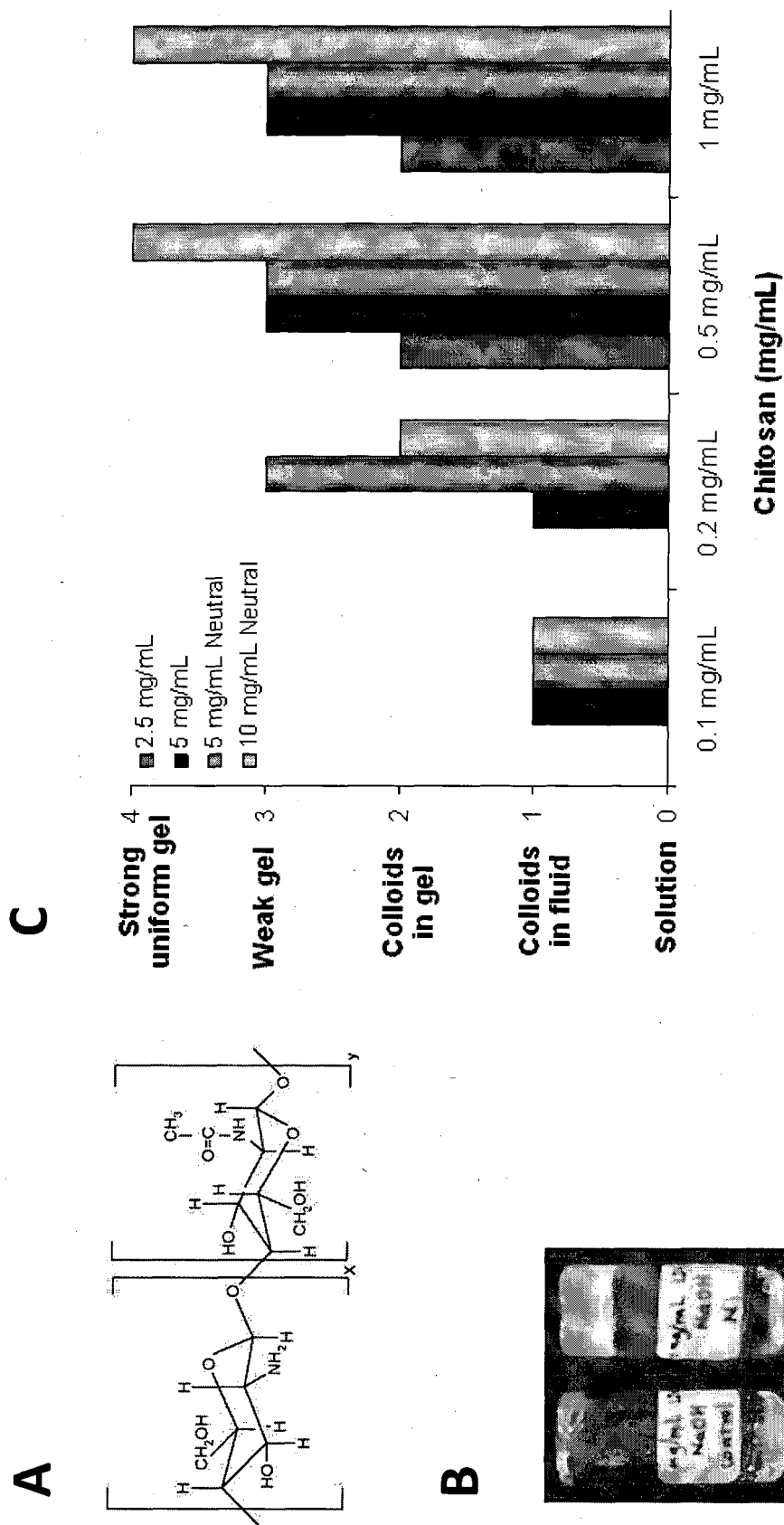


Figure 2

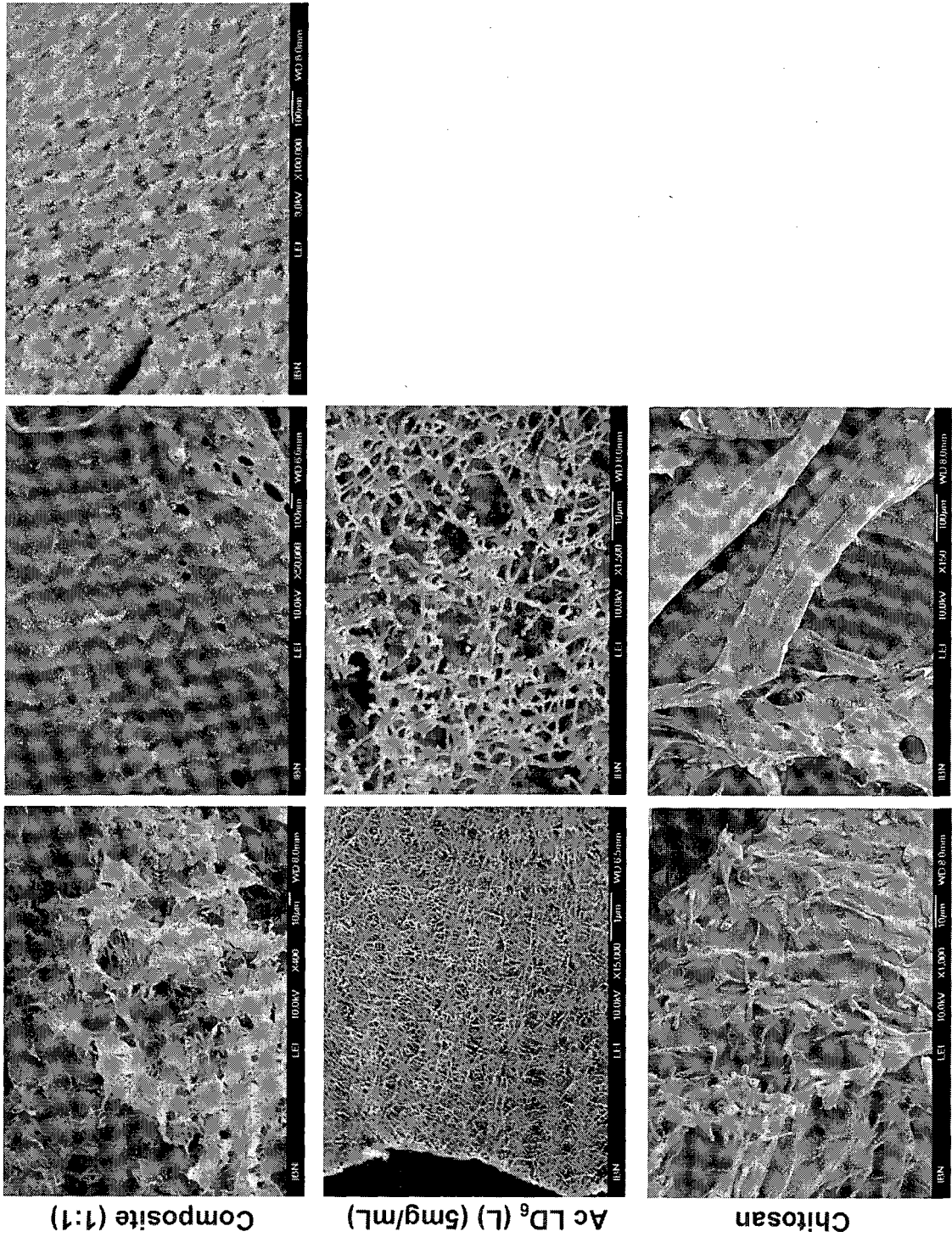
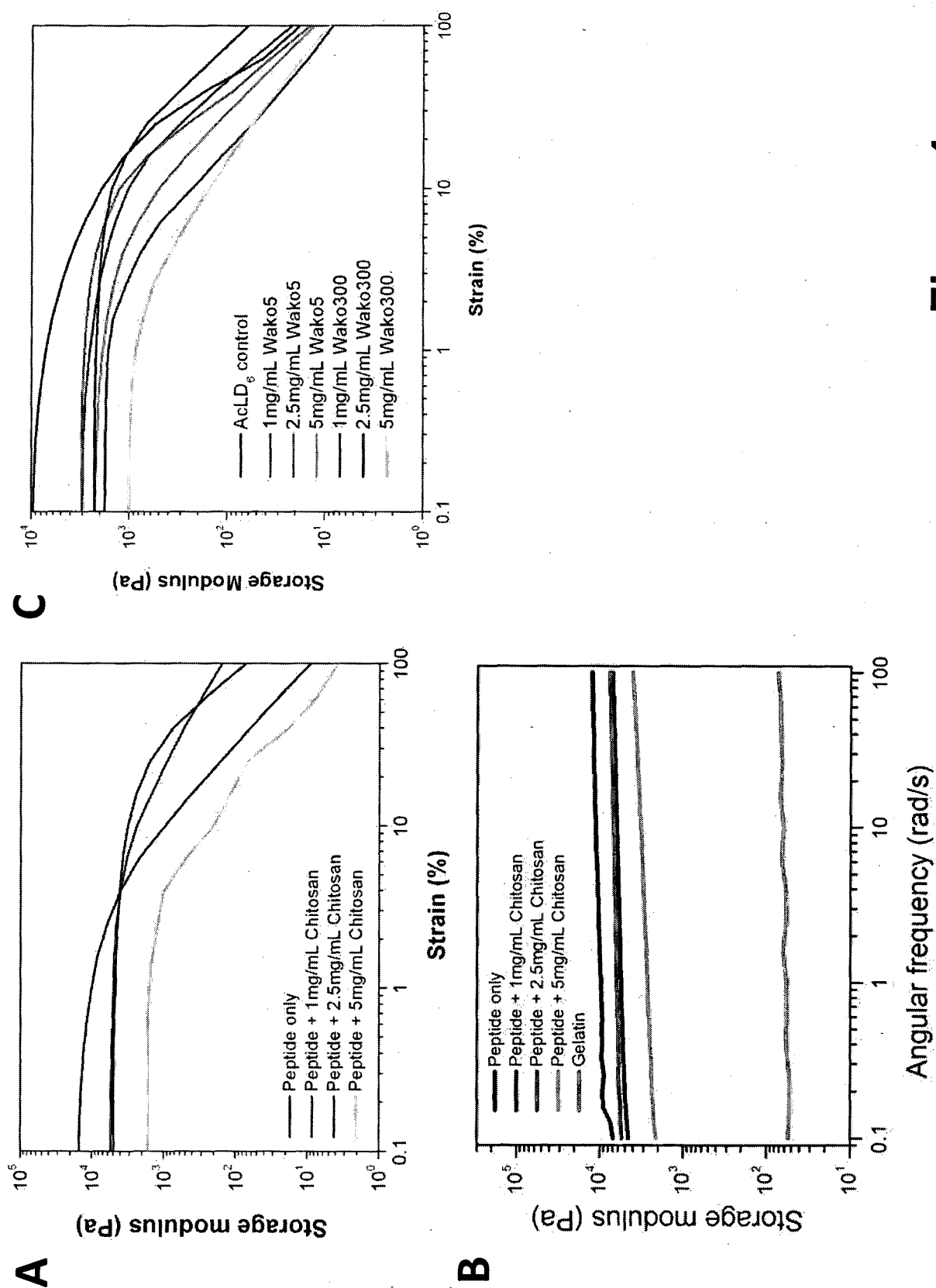


Figure 3



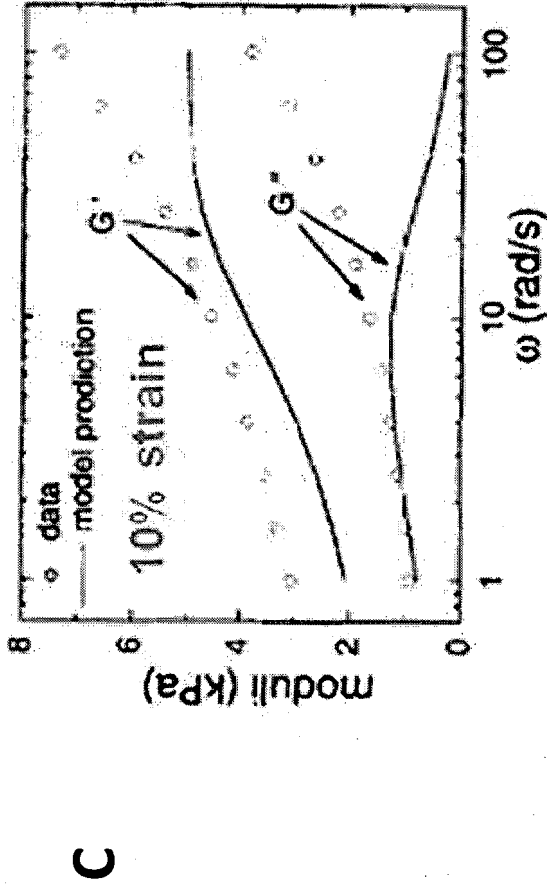
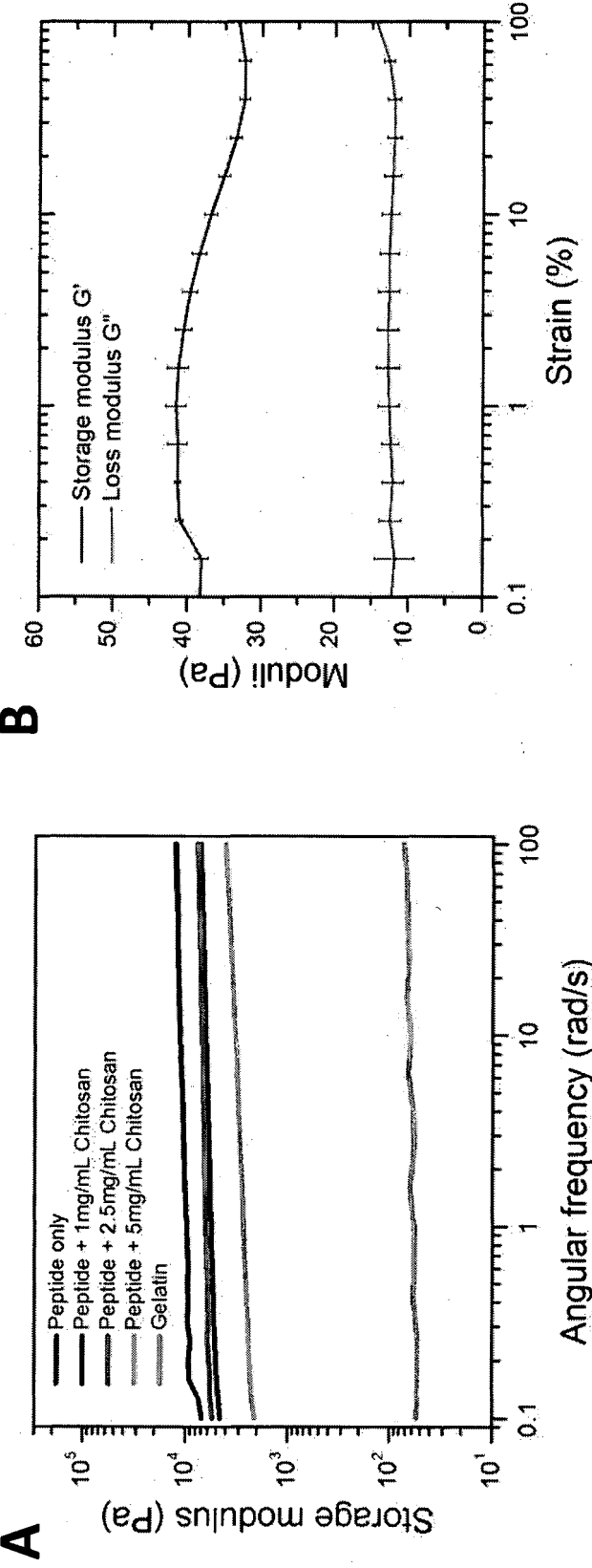


Figure 5

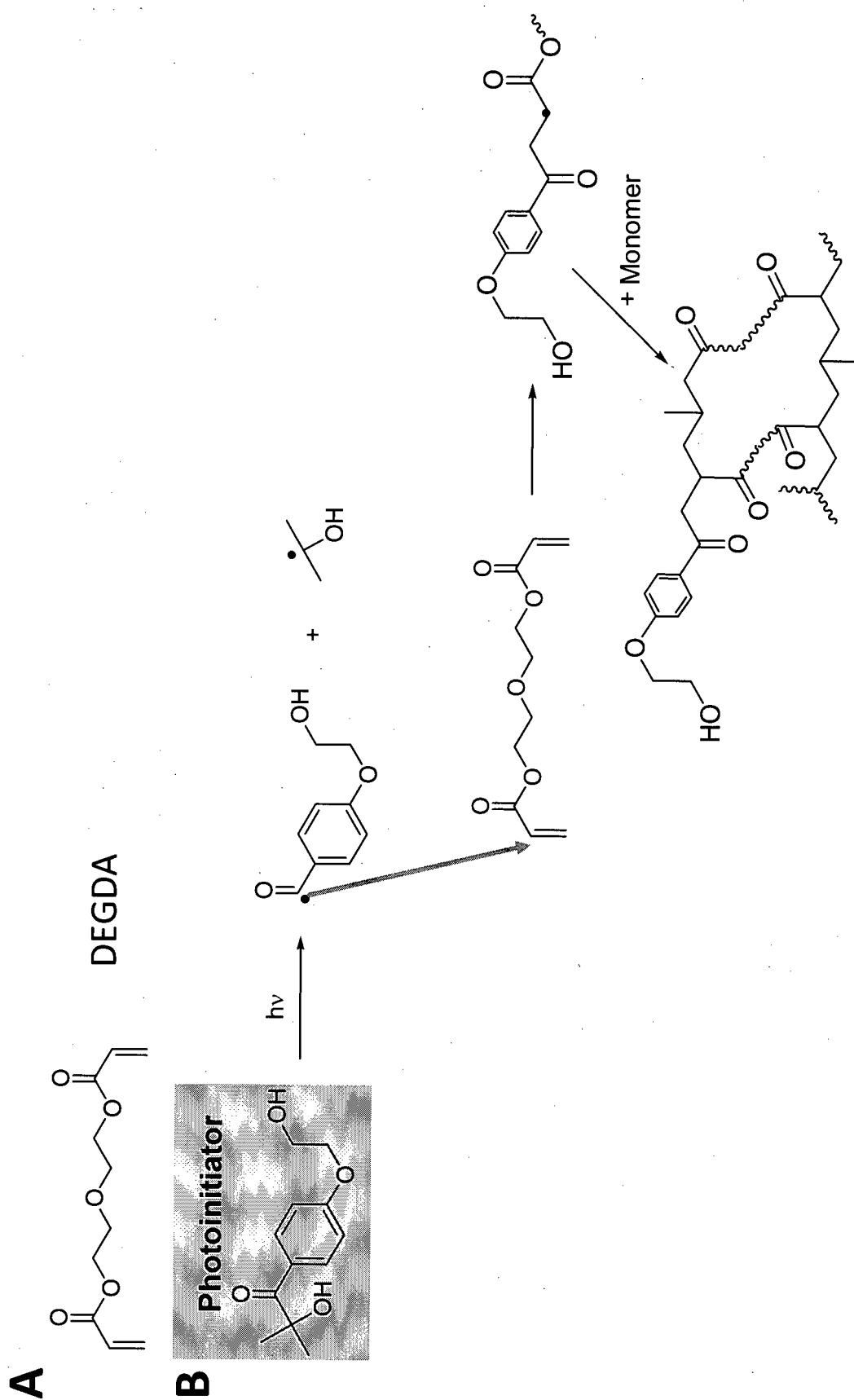


Figure 6

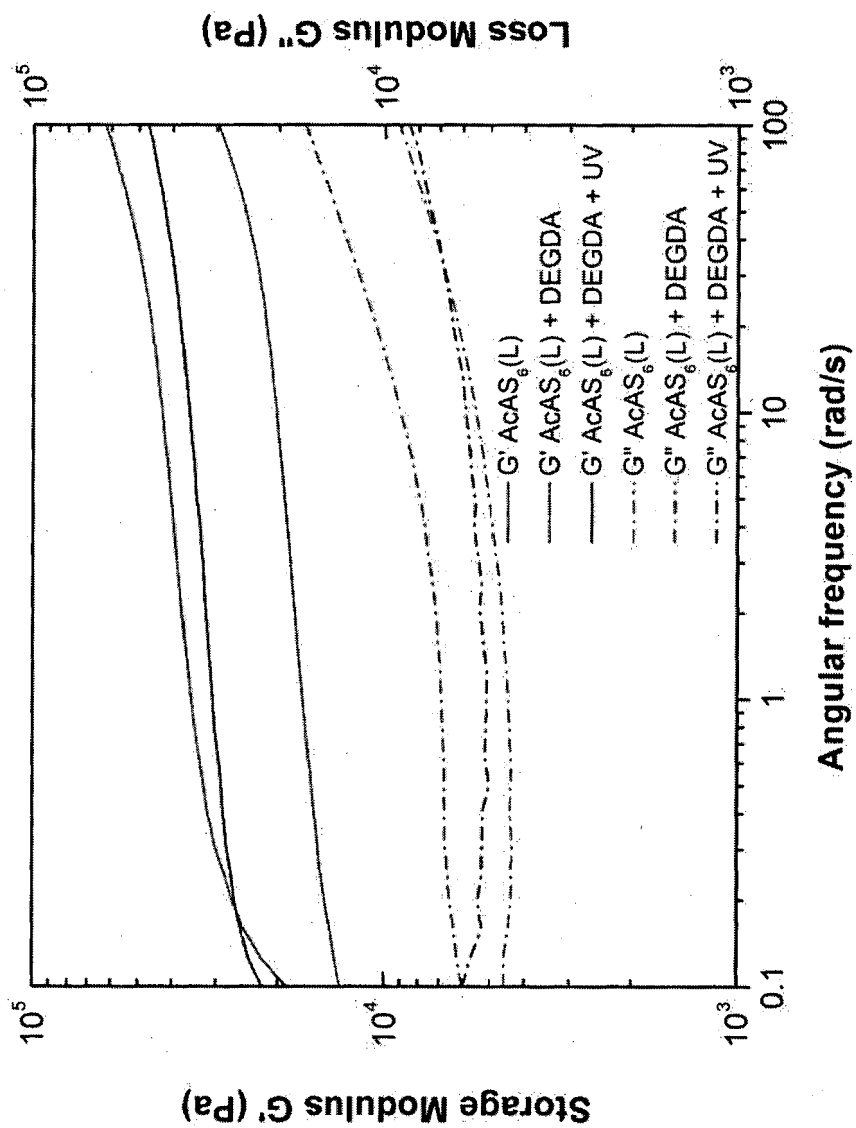


Figure 7

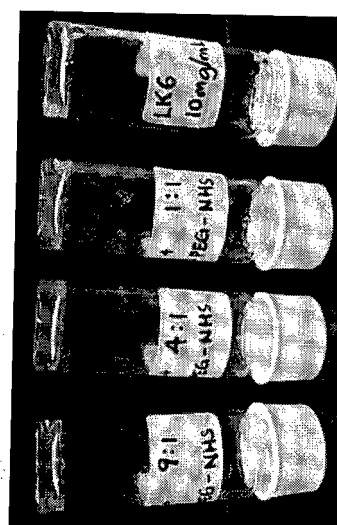
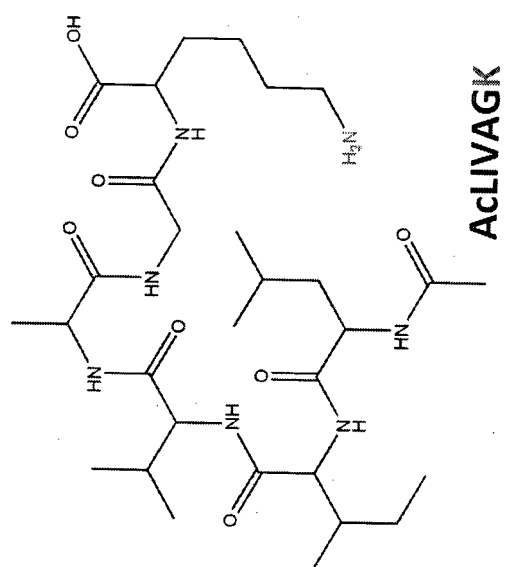
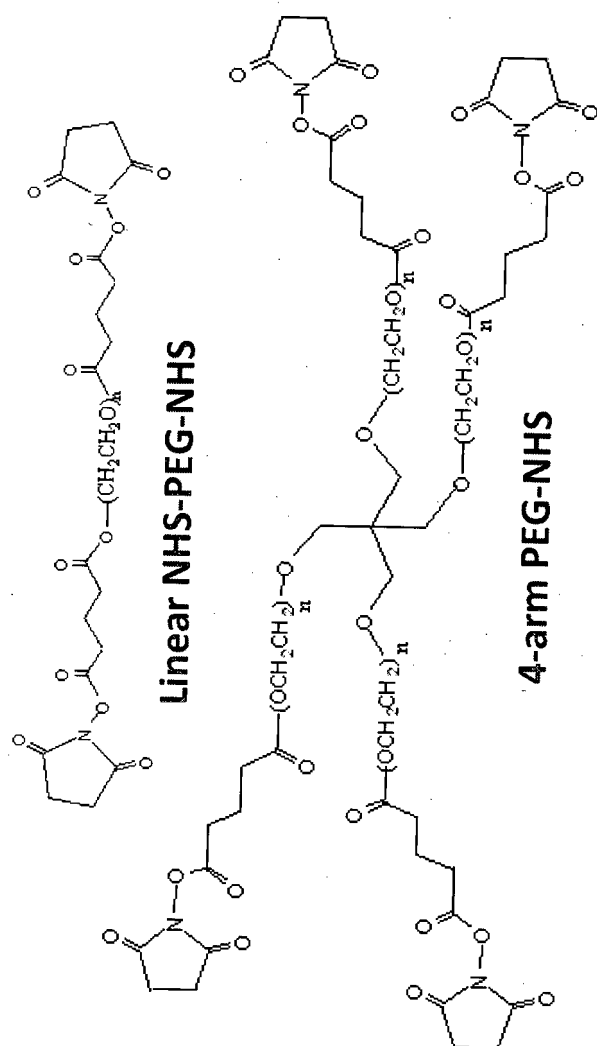


Figure 8

C

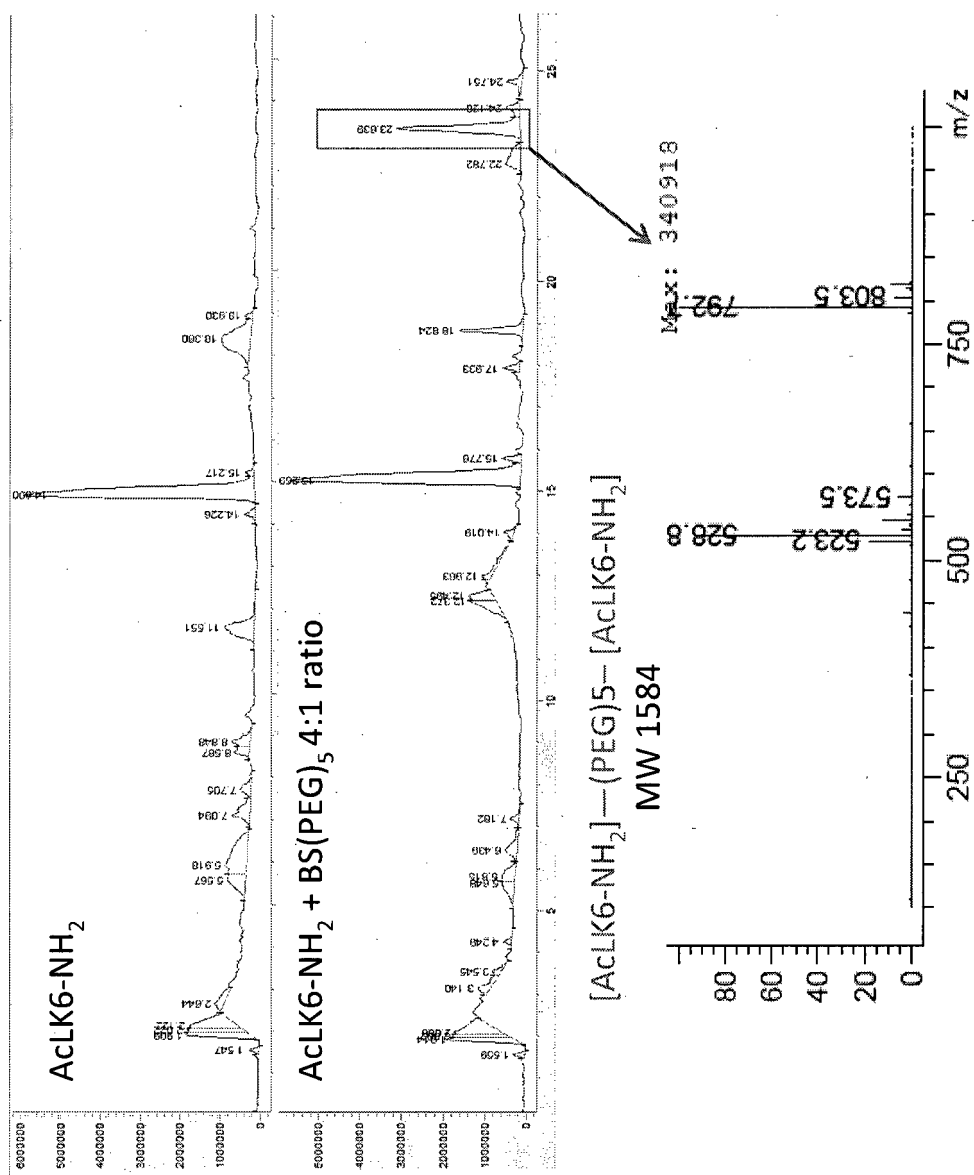


Figure 8 (cont.)

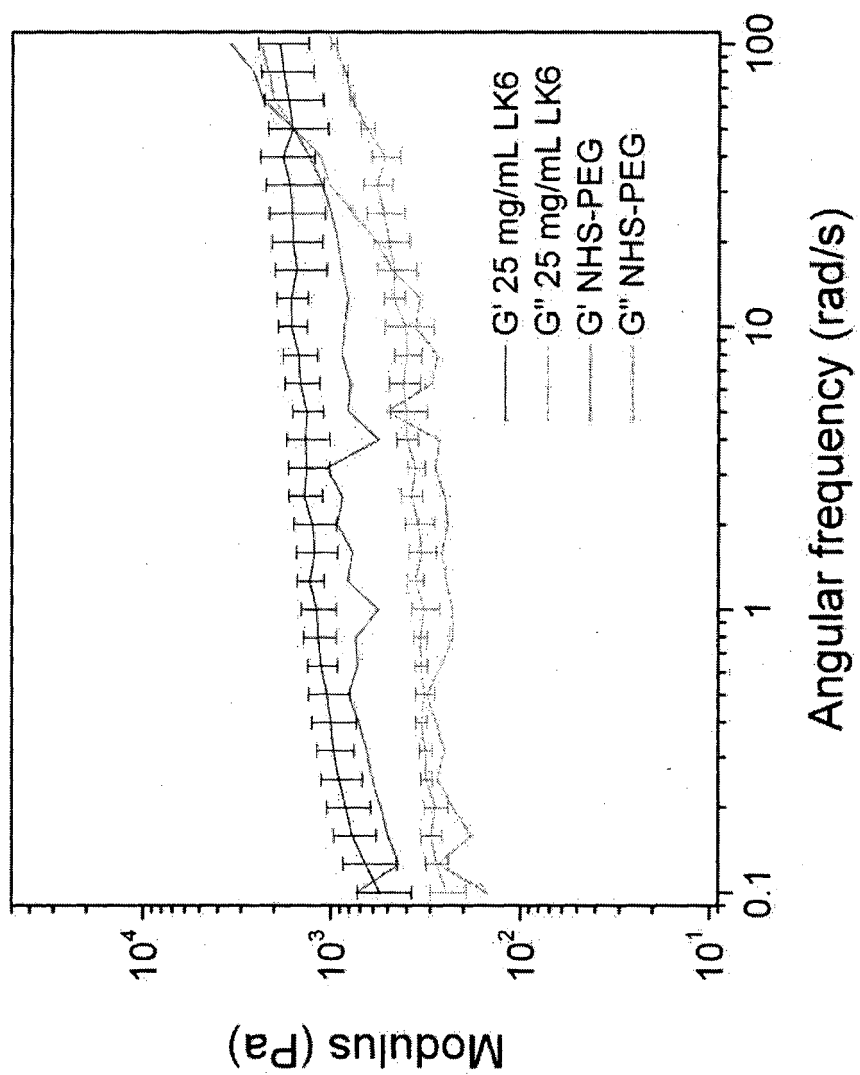


Figure 9

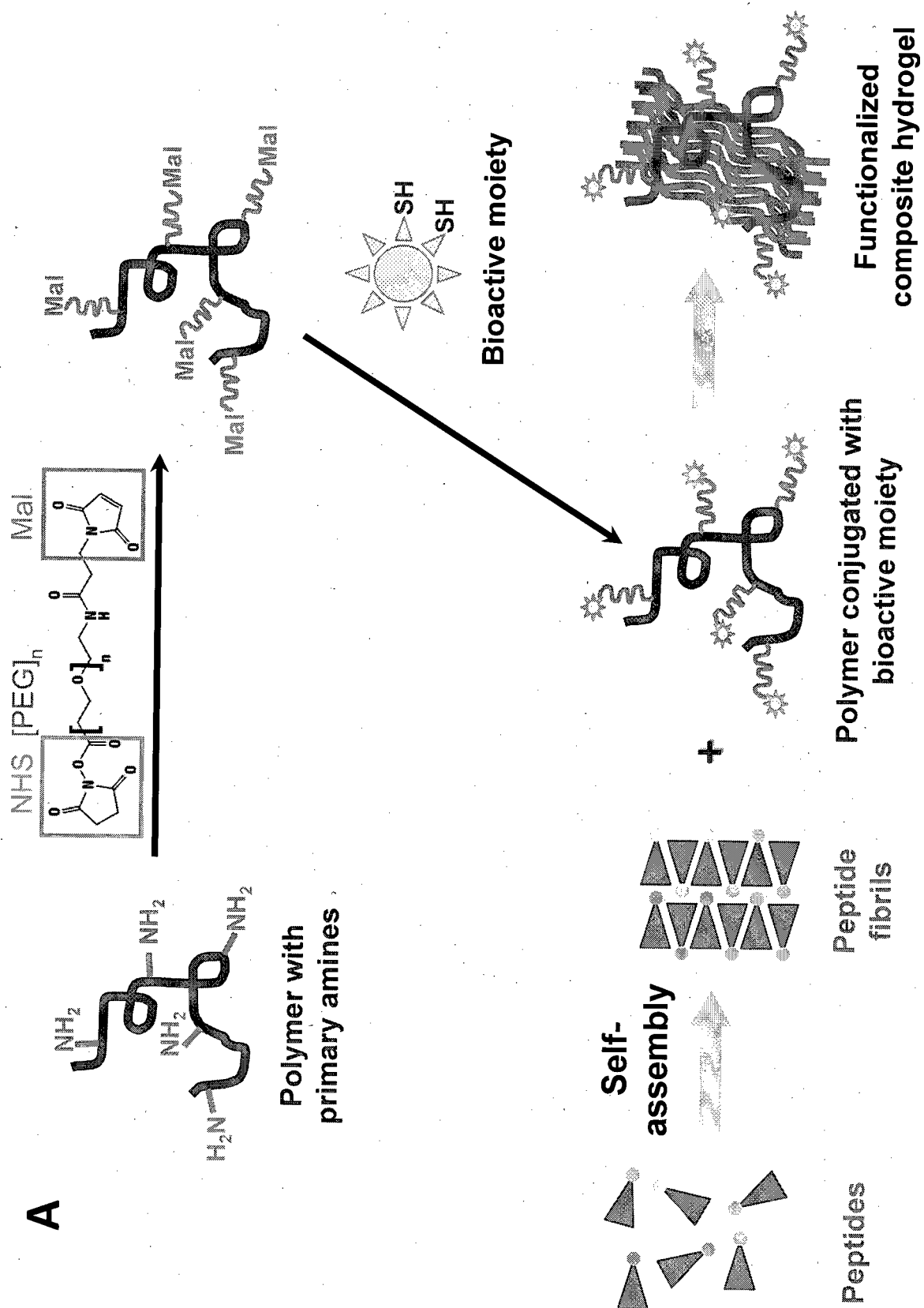
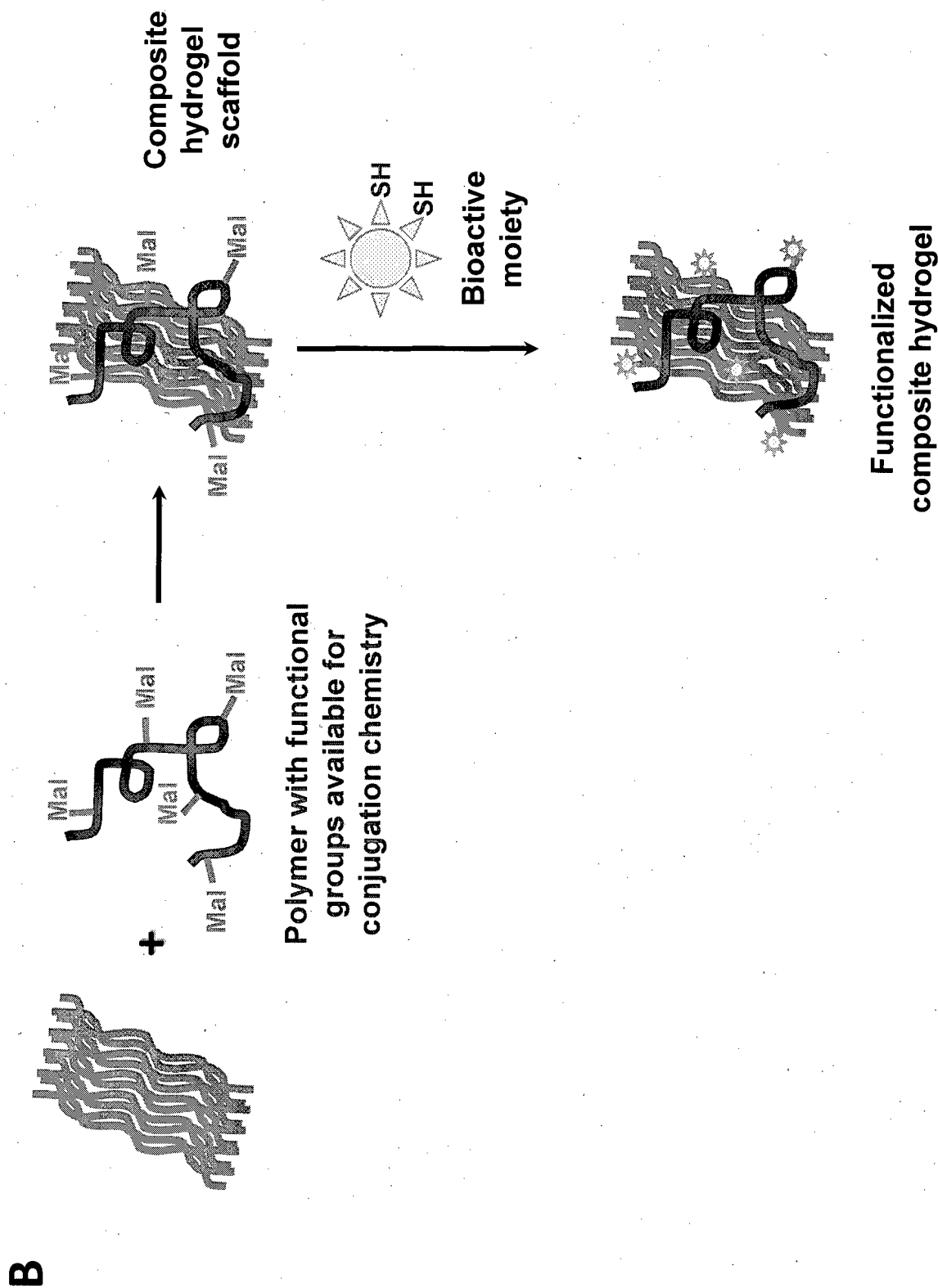


Figure 10

**Figure 10 (cont.)**

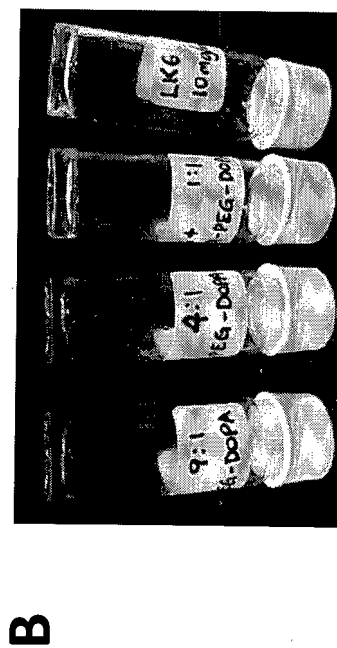
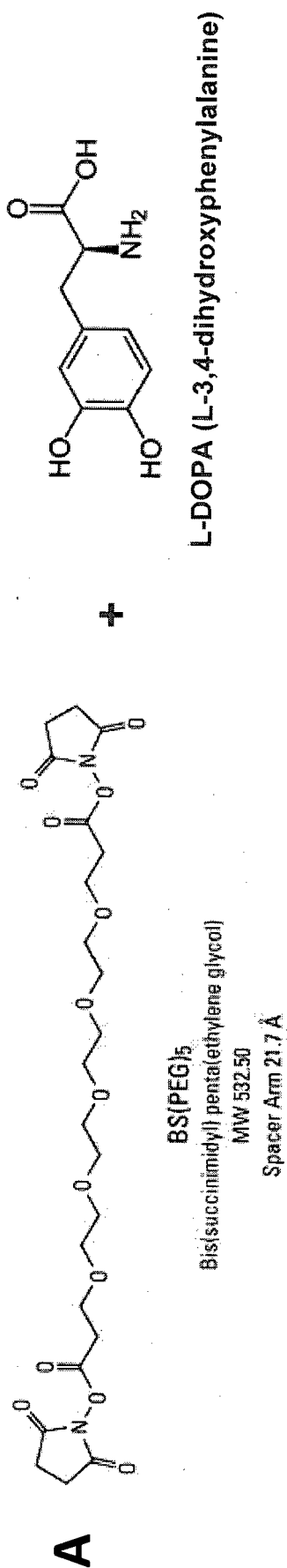


Figure 11

C

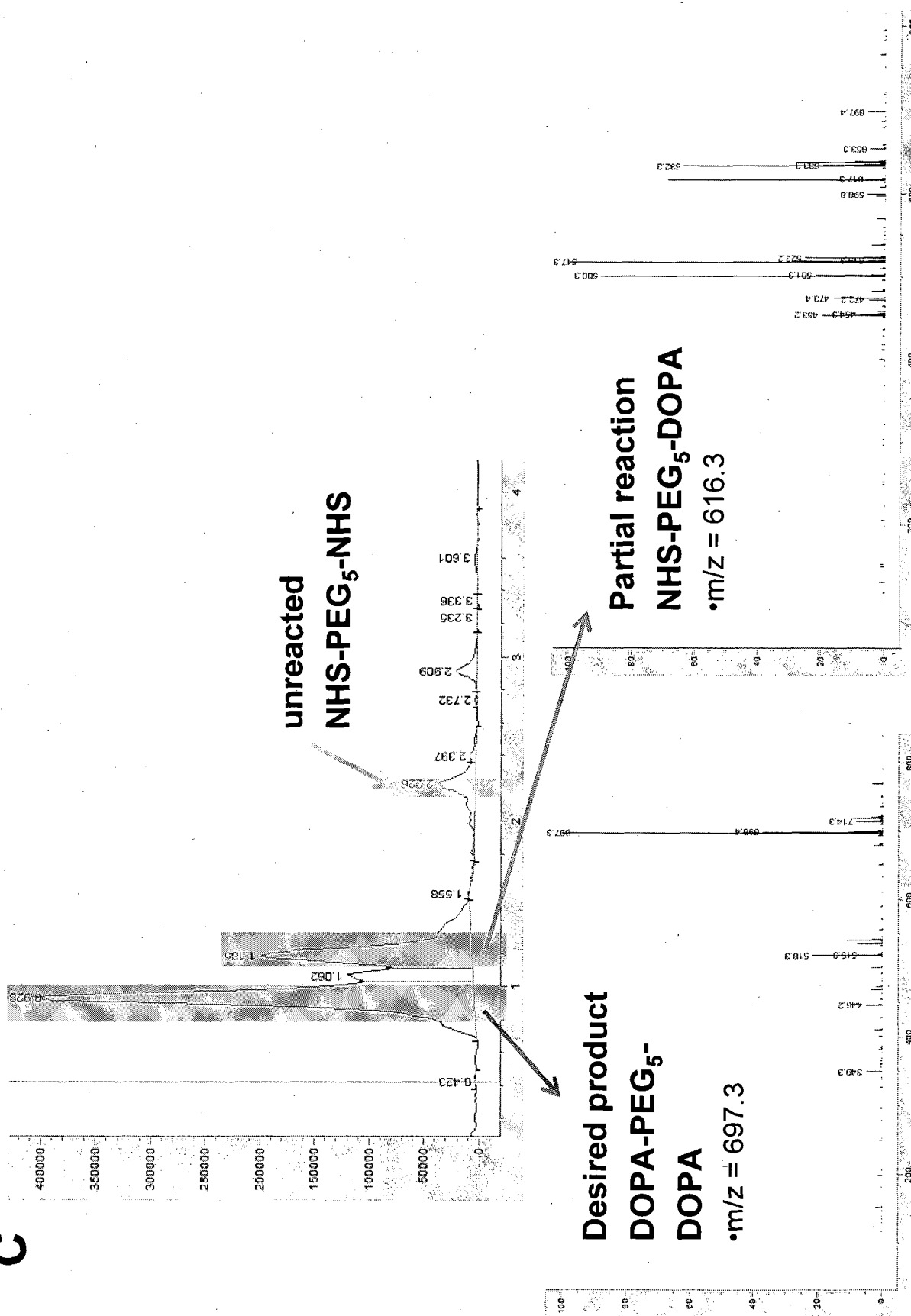
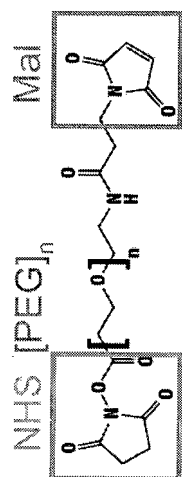
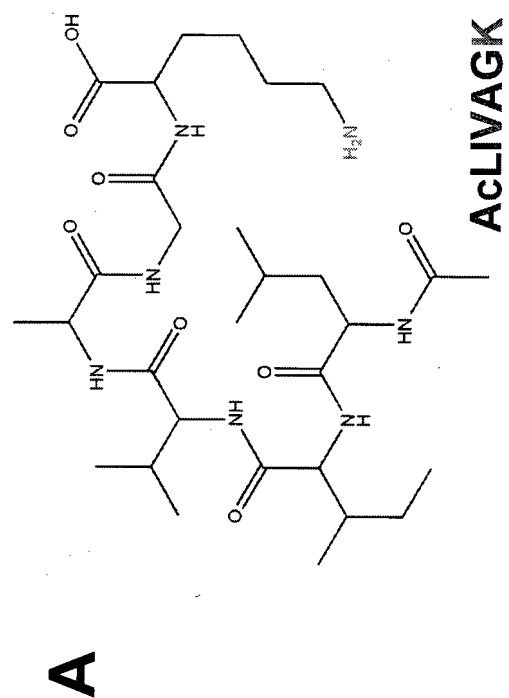
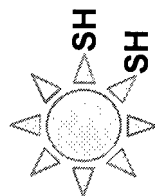


Figure 11 (cont.)



NHS-(PEG)_n-Maleimide



βFGF (growth factor)

Figure 12

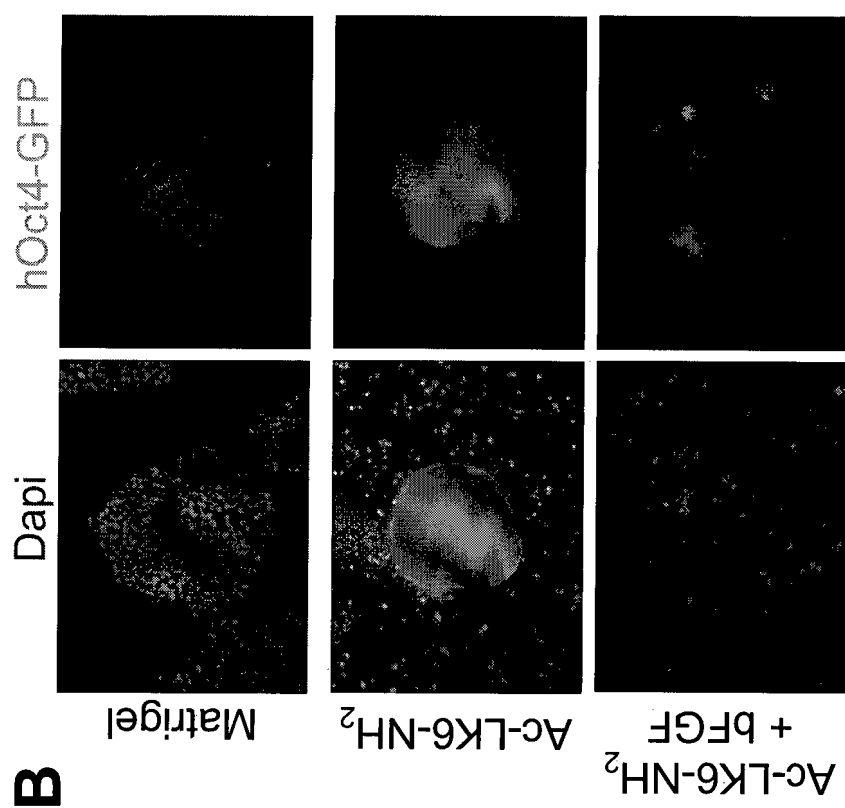


Figure 12 (cont.)

C

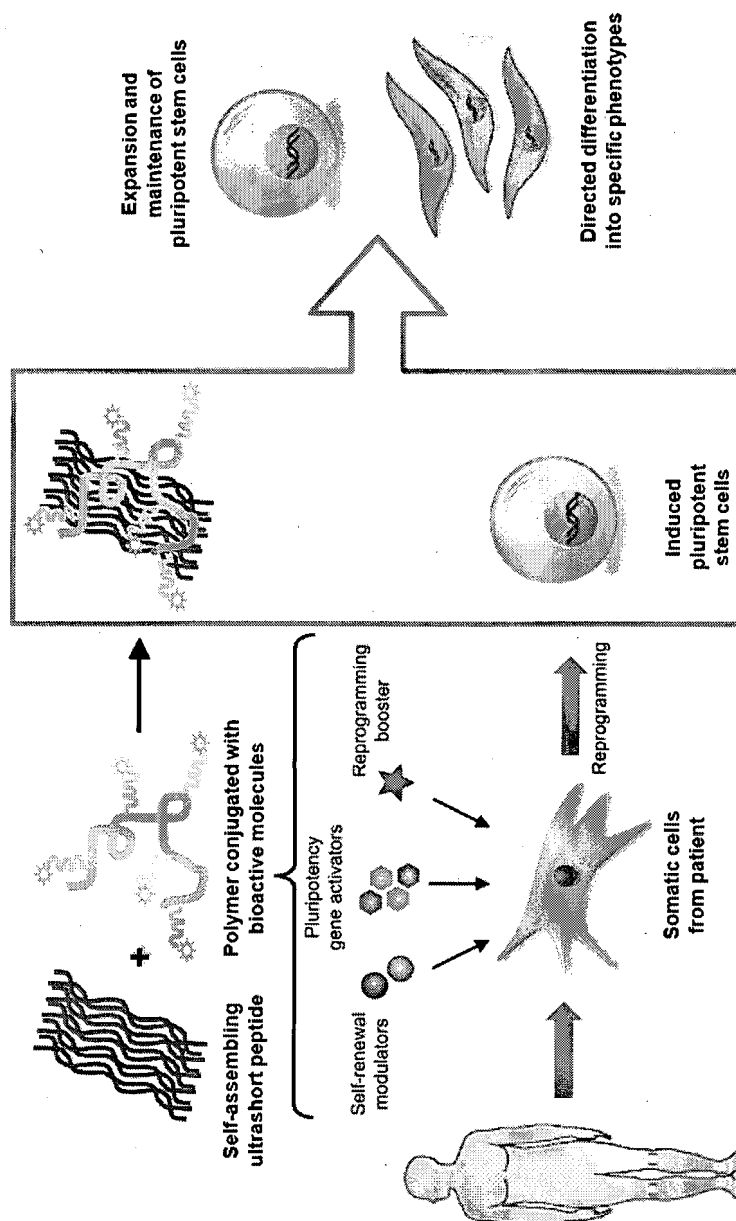
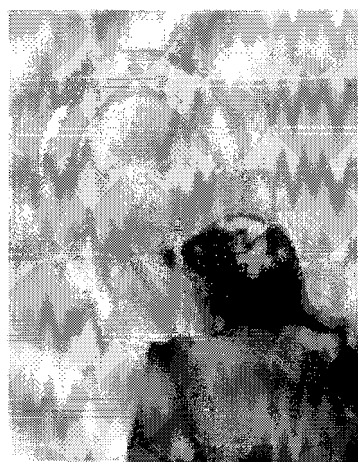


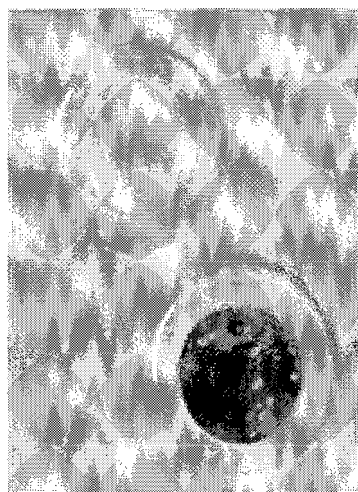
Figure 12 (cont.)



Removing
gel from the
mould



Peeling
membrane
from the
mould



Composite
hydrogel
stained with
food
colouring

Dry



Membrane

Figure 13

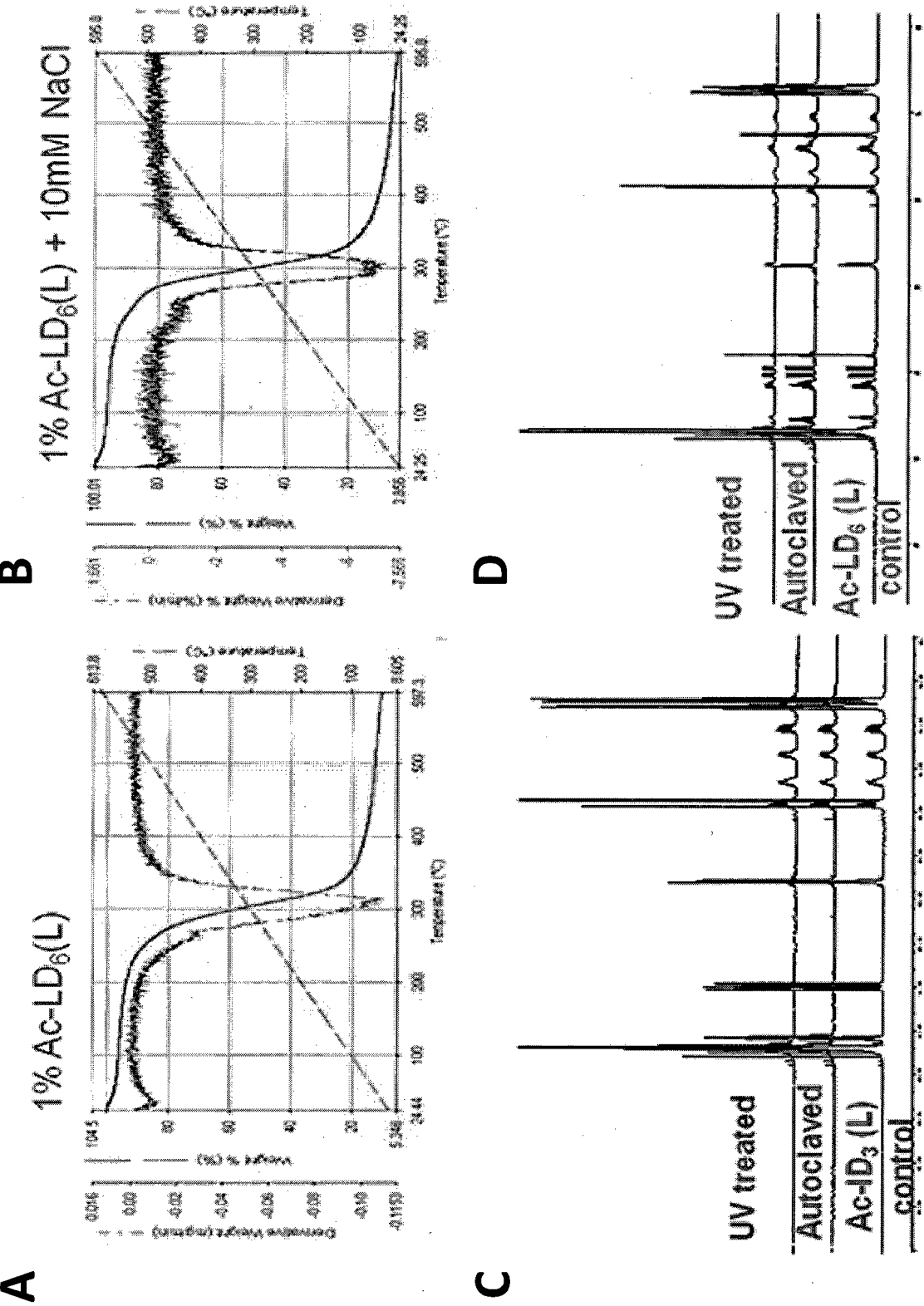
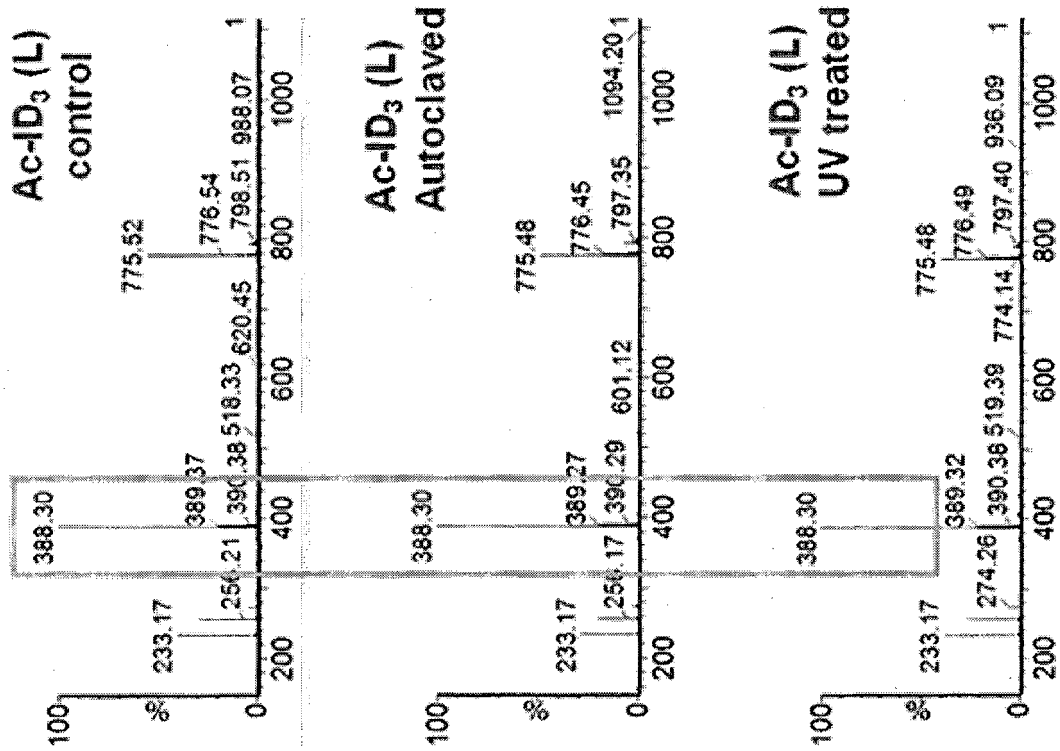
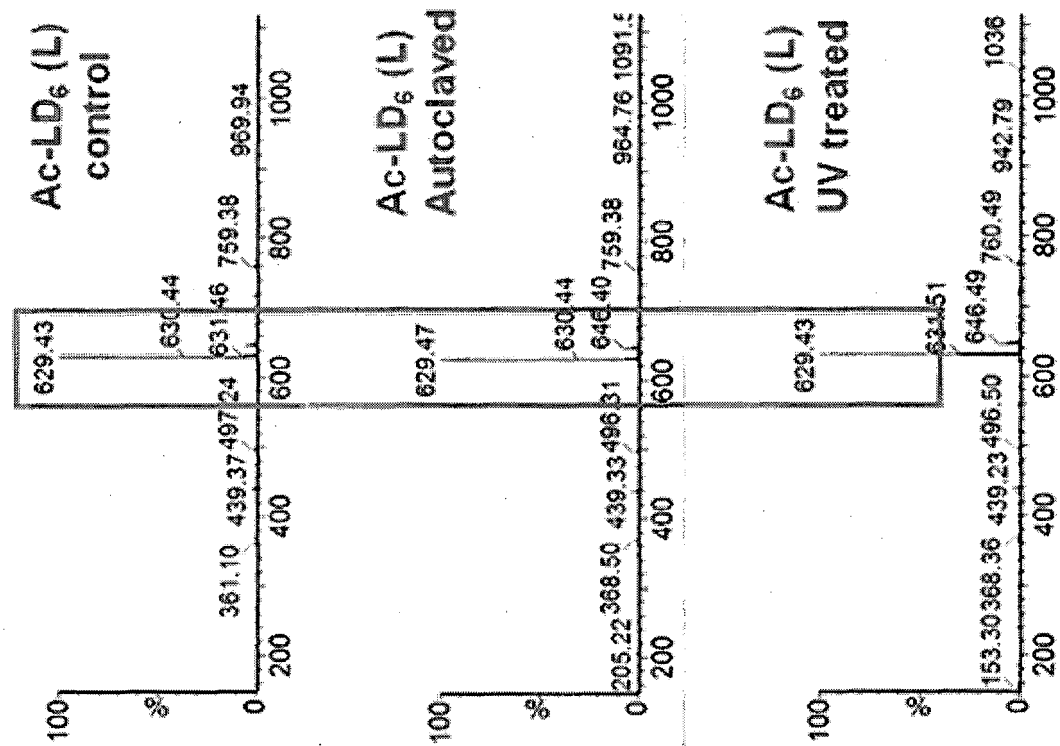


Figure 14

E**F****Figure 14 (cont.)**

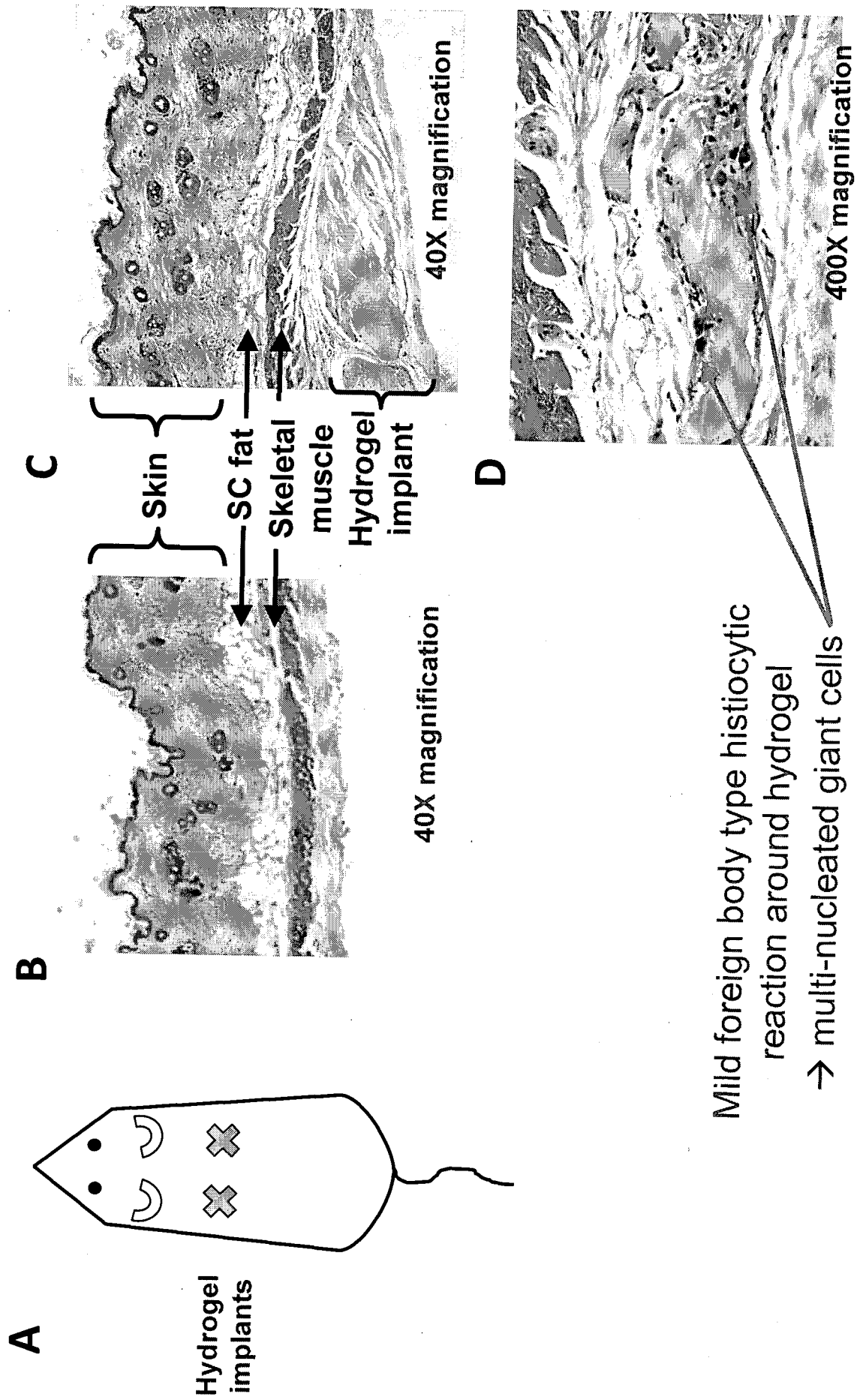


Figure 15

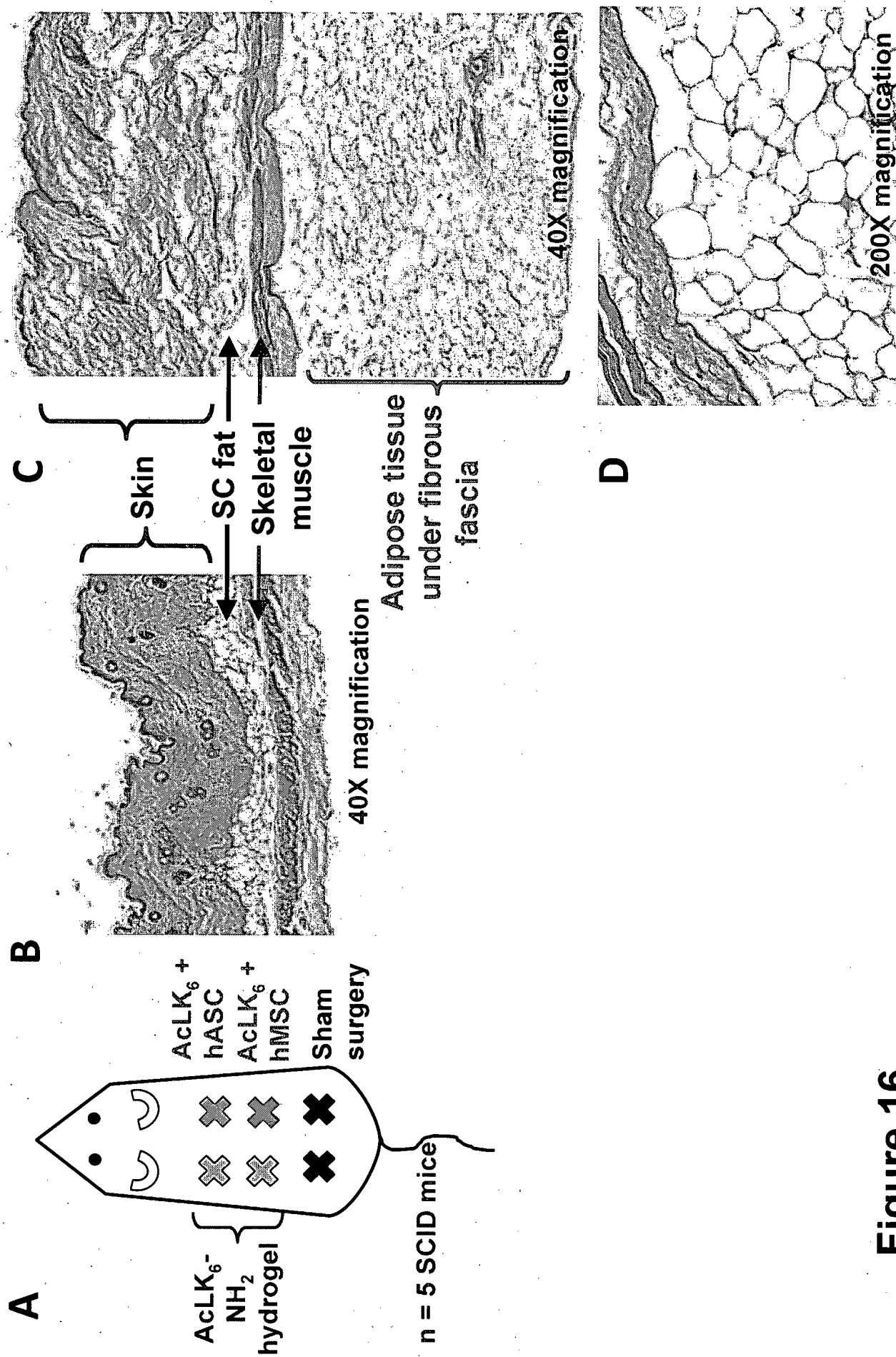


Figure 16

