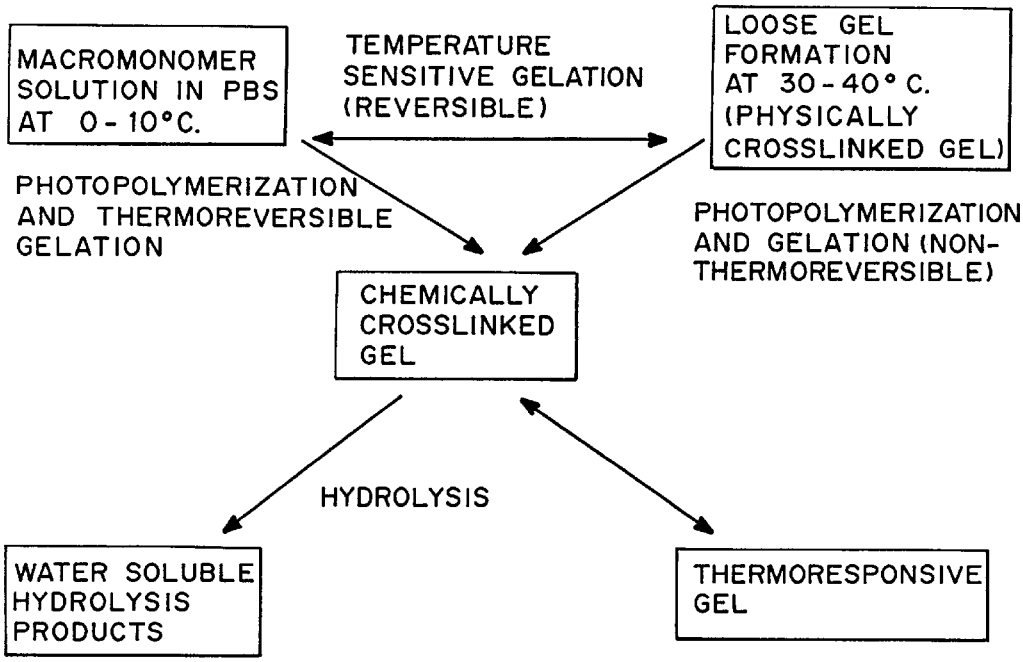
MACROMONOMER SOLUTION IN PBS AT 0-10°C.
TEMPERATURE SENSITIVE GELATION (REVERSIBLE)
LOOSE GEL FORMATION AT 30-40° C. (PHYSICALLY CROSSLINKED GEL)
PHOTOPOLYMERIZATION AND THERMOREVERSIBLE GELATION
PHOTOPOLYMERIZATION AND GELATION (NON-THERMOREVERSIBLE)
CHEMICALLY CROSSLINKED GEL
HYDROLYSIS
WATER SOLUBLE HYDROLYSIS PRODUCTS
THERMORESPONSIVE GEL

FIG. 1

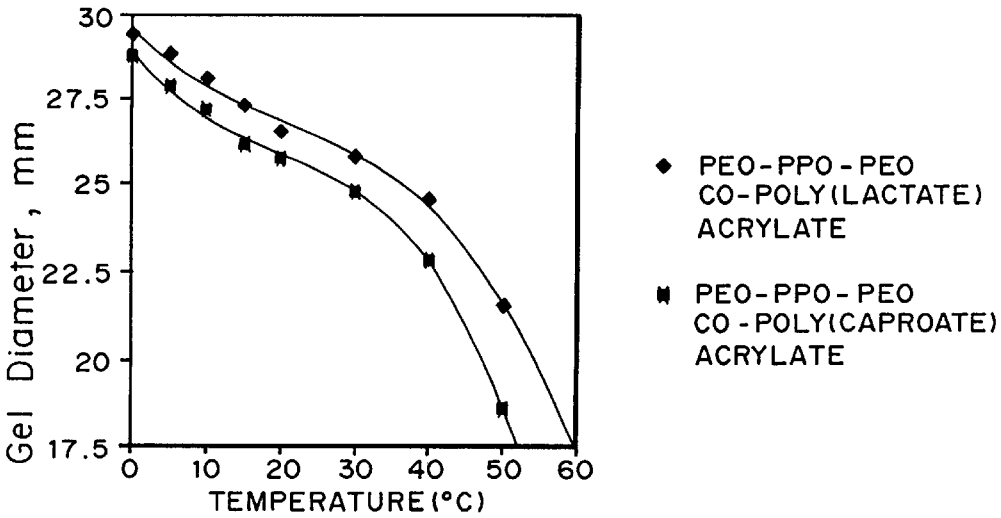
Gel Diameter, mm
30
27.5
25
22.5
20
17.5
0
10
20
30
40
50
60
TEMPERATURE (°C)
PEO-PPO-PEO CO-POLY(LACTATE) ACRYLATE
PEO-PPO-PEO CO-POLY(CAPROATE) ACRYLATE

FIG. 2