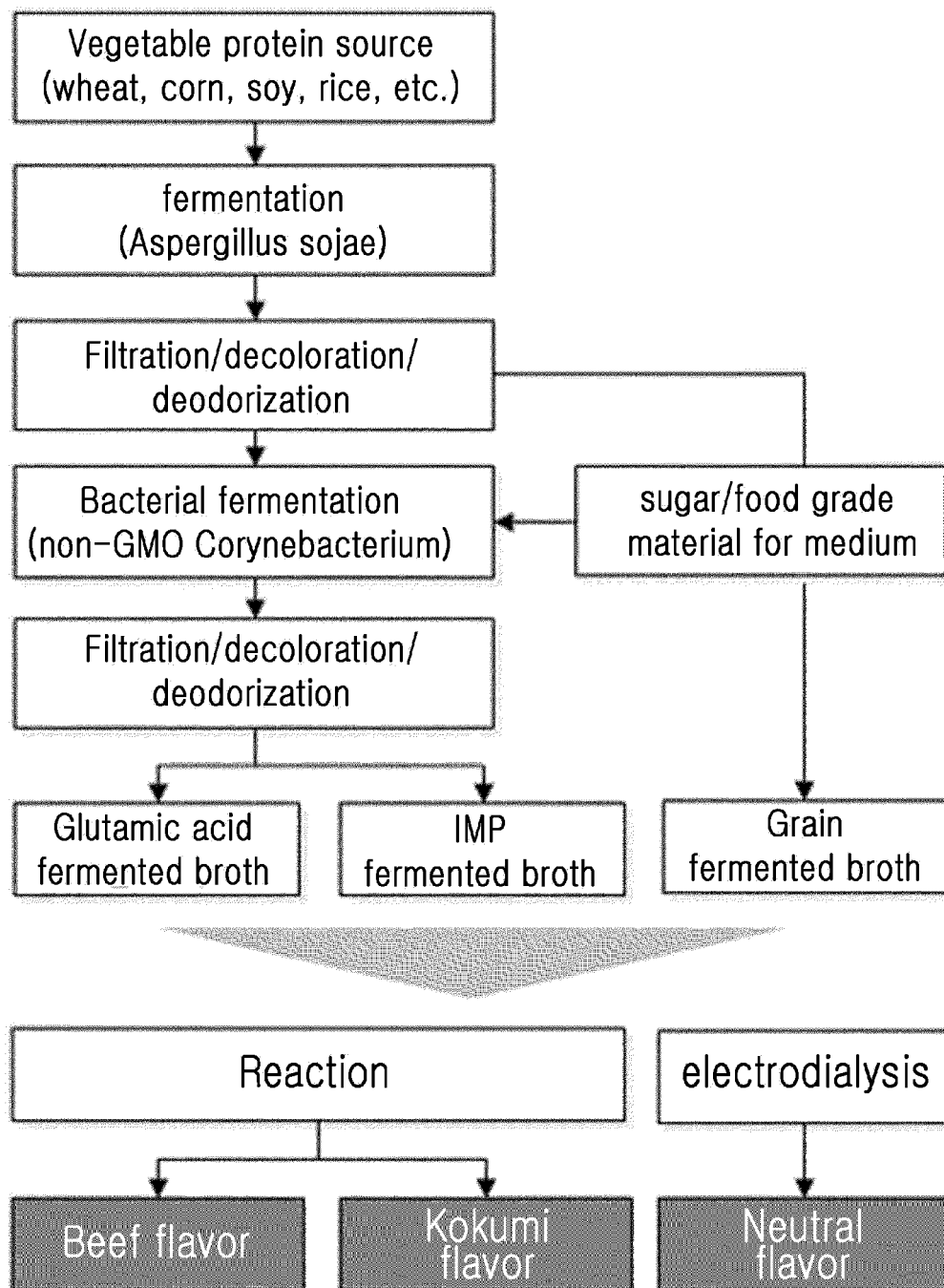
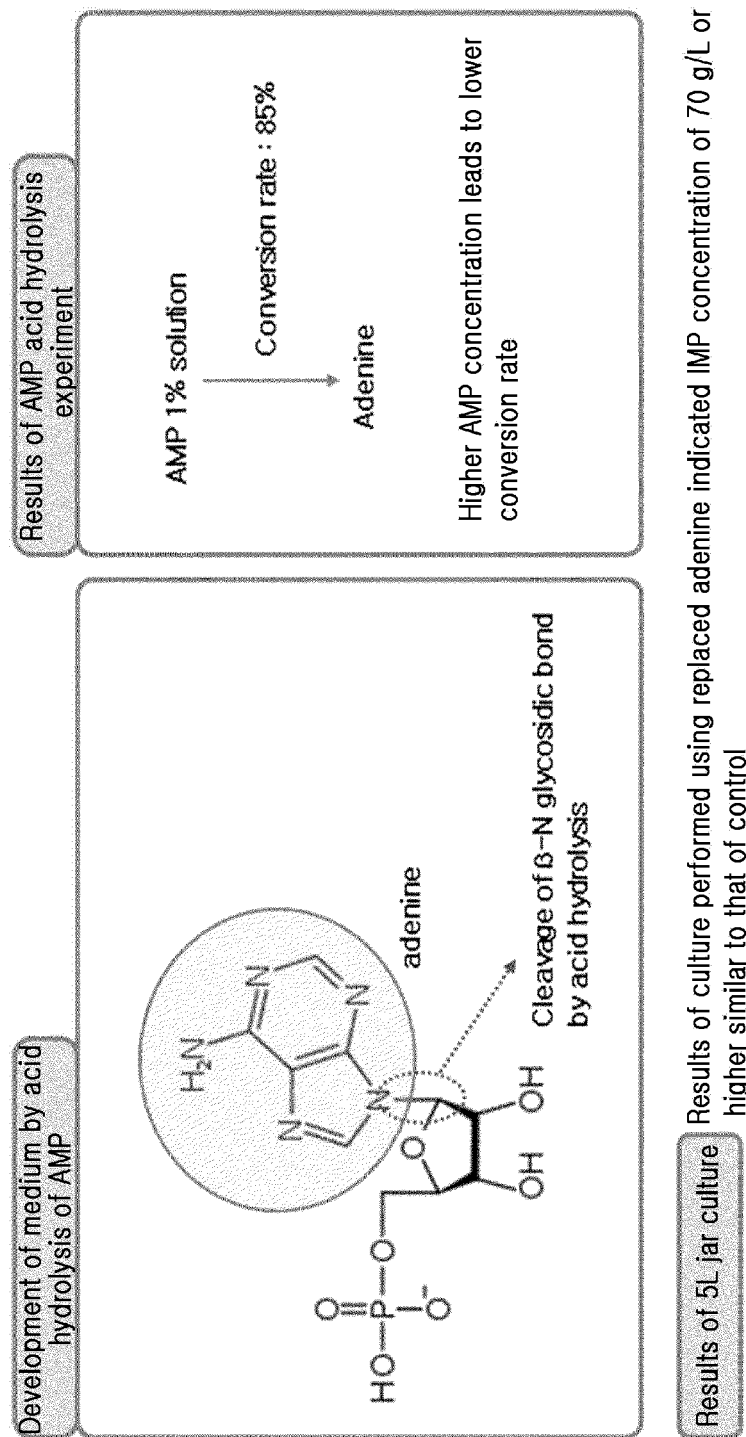


[Fig. 1]



[Fig. 2]



Construction of coenzyme

β -alanine and pantoic acid make pantothenic acid acting as coenzyme

β -alanine pathway

β -alanine is converted to pantothenate acting as coenzyme

Results of culture performed using replaced CAPA indicated IMP concentration of 70 g/L or higher similar to that of control

Results of 5L jar culture

[Fig. 4]

