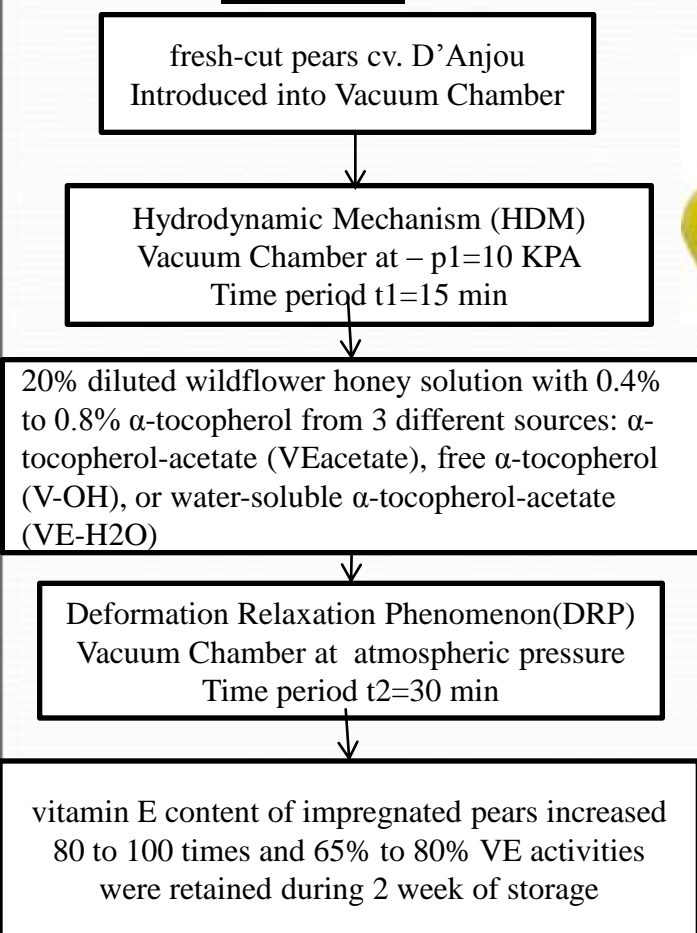


**vacuum impregnation to modify health-promoting properties of fresh-cut pears
cv. D'Anjou**

Raw Material	Composition of Vacuum Impregnation Solutions	Process Parameters	Effect
fresh-cut pears cv. D'Anjou	20% diluted wildflower honey solution with 0.4% to 0.8% α -tocopherol from 3 different sources: α -tocopherol-acetate (VEacetate), free α -tocopherol (V-OH), or water-soluble α -tocopherol-acetate (VE-H2O)	p_1 10 kPa t_1 15 min t_2 30 min	vitamin E content of impregnated pears increased 80 to 100 times and 65% to 80% VE activities were retained during 2 week of storage

Flow Chart



Vacuum Impregnation Setup



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CATALOG**

Result:

Vitamin E content of impregnated pears increased 80 to 100 times and 65% to 80% VE activities were retained during 2 week of storage. For this purpose the authors applied vacuum impregnation in a 20% corn syrup solution. Lin et al. (2006) introduced vitamin E together with a 20% solution of polyfloral honey to the tissue of pears.