

New enzymes aid flavour extraction

Ferulic Acid Esterase (FAE) is a recently discovered enzyme with a very broad application range. It can hydrolyse recalcitrant parts of the plant cell wall, as the beginning of a process that enables more complete breakdown of fibrous or pectinaceous cell walls and then consequently releases a higher proportion of sugars or cell wall-bound flavours. Depol 670L offered by Biocatalysts Ltd., the United Kingdom, incorporates FAE with other cell wall hydrolysing enzymes. Fruit juice and vegetable processing operations benefit from the inclusion of Depol 670L as the resulting increased efficiency of cell wall breakdown means that filtration of the final product is much easier, owing to lower particulate matter.

The company has also introduced a second new FAE enzyme, Depol 740L. Here, the improved hydrolysis releases more fermentable sugars, so that the amount of substrate needed for the fermentation is reduced. *Contact: Ms. Caroline West, Promotions Manager, Biocatalysts Ltd., Treforest Industrial Estate, Pontypridd CF37 5UD, the United Kingdom. Tel: +44 (1443) 843 712; Fax: +44 (1443) 846 500; E-mail: sales@biocats.com; Website: www.biocatalysts.com.* (Adv@nces Wales, Issue 35, 2002)