

**DIGESTIVE ENZYME TEST KIT (16 vials)**  
**Product Code 8012**

An enzyme: "A substance that affects the speed of chemical changes; an organic catalyst, usually a protein"  
 Gerard J Tortora *Introduction To The Human Body*

Code	Name	Source of start material	Origin & Effect	Function
DE 1	Carboxypeptidase	cow	pancreas	peptides into other peptides and amino acids (protein digestion)
DE 2	Chymotrypsin	cow	pancreas	protein into peptides (protein digestion)
DE 3	Deoxyribonuclease	cow	pancreas & small intestine	converts deoxyribonucleic acid nucleotides(DNA) into pentoses and nitrogenous bases
DE 4	Enterokinase	pig	small intestine	converts inactive trypsinogen into active trypsin in small intestine (protein digestion)
DE 5	Galactosidase/ Lactase	cow	small intestine	converts lactose into glucose and galactose
DE 6	Lipase	human	small intestine	converts fat into fatty acids and glycerol (fat digestion)
DE 7	Lysozyme	chicken egg white	mouth (saliva), tears and sweat	destroys bacteria and so helps prevent tooth decay; works to limit the growth of the bacteria that cause infections and diarrhoea, and encourage the growth of good bacteria
DE 8	Maltase	baker's yeast	small intestine	converts maltose into glucose
DE 9	Pepsinogen	pig	stomach	converted by hydrochloric acid into pepsin (protein digestion)
DE 10	Pepsin	pig	stomach	converts proteins into peptides (protein digestion)
DE 11	Peptidase	pig	small intestine	peptides into amino acids (protein digestion)
DE 12	Rennin	calf	stomach	milk protein into casein which allows pepsin to act on it
DE 13	Ribonuclease	cow	pancreas & small intestine	converts ribonucleic acid (RNA) into pentoses and nitrogenous bases
DE 14	Salivary Amylase (Ptyalin)	human	mouth	polysaccharides into maltose (disaccharide) (carbohydrate digestion)
DE 15	Sucrase	bacteria	small intestine	sucrose into glucose and fructose
DE 16	Trypsin	pig	pancreas	protein into peptides; activates procarboxypeptidase into carboxypeptidase (protein digestion)

Elastase is in Body Biochemicals 5

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