



Stabilised Proteins:

This is the list of proteins that Polygenyn Ltd. has helped to stabilise for clients over the past 10 years. The protocols developed use combinations of soluble polymers and additives incorporated into the buffers used for protein stabilisation.

- Extended shelf life of proteins in solution and lyophilised form.
- Extended of operational stability
- Protection against dilution inactivation
- Protection against proteolytic degradation
- Protection against protein aggregation.

Protein	Length of Stability (Days)	Storage Temperature (°C)
Acetylcholinesterase	100	37
Alcohol Oxidase	162	37
Alkaline Phosphatase	476	4
Catalase	22	37
Cholesterol Oxidase	16	37
Choline Oxidase	15	37
Creatinase	14	22
Creatininase	14	22
Diaphorase	150	37
Fructose Dehydrogenase	155	25
Galactose Oxidase	17	37
β -Galactosidase	65	25
Glucose Dehydrogenase	21	37
Glucose Oxidase	246	22
Glucose-6-Phosphate Dehydrogenase	150	37
Glutamate Dehydrogenase	100	45
Glycerol-3-Phosphate Oxidase	37	15
GSP LAMP DNA polymerase	180	40
Hexokinase	150	37
Horseradish Peroxidase	180	40
β -Hydroxybutyrate Dehydrogenase	36	37
Lactate Dehydrogenase	98	37
Lactate Oxidase	300	37
Lipase	14	25
Luciferase	18	4
Malate Dehydrogenase	20	37
Pyruvate Kinase	150	37
Sarcosine Oxidase	14	22
Savinase	28	40
Serine Protease	56	66
Thermophilic glutamate dehydrogenase	30	40
Trypsin	21	50
Uricase	10	37
Monoclonal, polyclonal & FAB antibodies	100	25
Rabbit anti-human HRP conjugate	221	25