

# Global and United States Keyhole Limpet Hemocyanin (KLH) Market Research by Company, Type & Application 2013-2025

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## Abstracts

### SUMMARY

KLH, which can be used as an active pharmaceutical ingredient (“API”), is a very large, high molecular weight, oxygen-carrying glycoprotein made of millions of atoms. There are two KLH subunit forms, KLH1 and KLH2, each composed of seven or eight functional units, with each functional unit having an oxygen binding site of two copper atoms. Keyhole limpet hemocyanin is an extremely large, heterogeneous glycosylated protein consisting of subunits with a molecular weight of 350,000 and 390,000 in aggregates with molecular weights of 4,500,000-13,000,000. Each domain of a KLH subunit contains two copper atoms that together bind a single oxygen molecule (O<sub>2</sub>). The KLH protein is potentially immunogenic yet safe in humans and is therefore highly prized as a vaccine carrier protein.

Market Segment as follows:

By Type

GMP/Clinic Grade

Research Grade

By Application

Laboratory

## Pharmaceuticals

### By Company

biosyn Corporation

Stellar Biotechnologies

Sigma-Aldrich Fine Chemicals

Thermo-Fisher Scientific

G-Biosciences

The main contents of the report including:

Section 1:

Product definition, type and application, global and United States market overview;

Section 2:

Global and United States Market competition by company;

Section 3:

Global and United States sales revenue, volume and price by type;

Section 4:

Global and United States sales revenue, volume and price by application;

Section 5:

United States export and import;

Section 6:

Company information, business overview, sales data and product specifications;

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Industry chain and raw materials;

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