

## PROTEIN LABELING TECHNOLOGY

BioPAL has developed *PROTrack*<sup>™</sup> to enable researchers to locate, track, and quantify proteins of interest. *PROTrack* is a line of protein labeling kits and is designed to take advantage of time resolved fluorescent (TRF) technology. The kits are available in two different isotopic markers. Other isotopic labels are under development. The degree of sensitivity and quantification achievable by TRF is dependent on many factors outside the control of BioPAL, such as the limitation of the customer's readout equipment and variation in sample preparation, i.e., sample size, density, viscosity, temperature, etc. As a result, customers must evaluate these parameters.

The kits are stable and nonradioactive.

In addition to TRF technology, several of the lanthanide labels can also be measured by neutron activation (NA) technology, and by magnetic resonance imaging (MRI). These products can be found on their associated web pages or the information can be obtained by requesting a BioPAL catalog. Therefore, whenever possible, researchers can take advantage of more than one technology to maximize data output.

### *PROTrack* - Protein Labeling Kits

Each kit contains the bifunctional chelate, lanthanide salt, required buffers, developing solution, and instructions. The kit is designed to label 1 mg of protein. The sensitivity of detection by TRF technology is a function of many factors, including labeling efficiency and sample composition.

#### Catalog Number

PL-00K02	<i>PROTrack</i> Europium .....	\$ 650.00
	The kit contains the bifunctional chelate, europium salt, required buffers, developing solution, and instructions. The kit is designed to label 1 mg of protein.	
PL-00N02	<i>PROTrack</i> Terbium .....	\$ 650.00
	The kit contains the bifunctional chelate, terbium salt, required buffers, developing solution, and instructions. The kit is designed to label 1 mg of protein.	

