

## PROTEIN LABELING TECHNOLOGY

BioPAL has developed *PROTrack*<sup>™</sup> technology to enable researchers to locate, track, and quantify proteins of interest in *in vivo* systems. *PROTrack* is a line of protein labeling kits and is designed for applications in nuclear medicine involving studies related to PET imaging and radiotherapy. The kits are available with different chelates designed specifically for isotopes such as yttrium-90, bismuth-213, gallium-68, and zirconium-89.

The kits are stable and non-radioactive. The researcher uses them to label proteins or other molecules of interest with proprietary chelate followed by addition of selected elemental radiolabel.

**NOT FOR HUMAN USE.**

### *PROTrack* - Protein Labeling Kits

Each kit contains the bifunctional chelate, required buffers, and instructions. The kit is designed to label 10 to 100 mg of protein. Once conjugated the protein is purified to remove unreacted conjugate and may usually be stored at 4°C until used. Addition of radiolabel is followed by a short incubation. If required the radiolabeled protein may be purified from unchelated radiolabel by passage over a 10ml G-25 column (supplied). Customers are encouraged to contact BioPAL for more information concerning methodology. BioPAL also offers a custom labeling service to conjugate your protein.

#### PET IMAGING

##### Catalog Number

PL-00AA01 *PROTrack* Gallium-68 .....\$ 950.00

The kit contains the proprietary bifunctional chelate, required buffers, two G-25 columns, and instructions.  
The kit is designed to label 10 to 100 mg of protein.

PL-00BB01 *PROTrack* Zirconium-89 .....\$ 950.00

The kit contains the proprietary bifunctional chelate, required buffers, two G-25 columns, and instructions.  
The kit is designed to label 10 to 100 mg of protein.

#### RADIOTHERAPY RESEARCH APPLICATIONS

##### Catalog Number

PL-00CC01 *PROTrack* Yttrium-90.....\$ 950.00

The kit contains the proprietary bifunctional chelate, required buffers, two G-25 columns, and instructions.  
The kit is designed to label 10 to 100 mg of protein.

PL-00DD01 *PROTrack* Bismuth-213 .....\$ 950.00

The kit contains the proprietary bifunctional chelate, required buffers, two G-25 columns, and instructions.  
The kit is designed to label 10 to 100 mg of protein.

#### CUSTOM PROTEIN LABELING

Custom labeling is priced based upon each researcher's needs. Typical labeling preparations, such as antibodies, are performed for \$8,500 on a best efforts basis. The researcher provides the protein. Normal turnaround time is 20 working days from receipt of protein.

