

IN PRACTICE

This exploded view is an example of a (single-use) Type A packaging designed, made and thoroughly tested by Von Gahlen. The client requested a packaging to transport Lu labeled fluids. These fluids are used for Peptide Receptor Radionuclide Therapy (PRRT) and produced in only a few places in the world. Since these fluids need to be transported to hospitals worldwide, both air and road transportation are required. So the packaging has to comply with several regulations like:

- ADR [L'Accord européen relatif au transport international des marchandises dangereuses par route].
- ICAO Class 7.
- IAEA Safety Standards Series No. SSR-6.
- IAEA Regulations for the Safe Transport of Radioactive Material.

WHERE TO START?

First, the client specifies the type of bottle (in this case 25R) and the shielding requirements [8 GBq 177Lu]. Also, this type of product is heat sensitive so we had to integrate cool packs. With these needs as a framework we figured out the optimal solution to — in this case — pack 4 bottles in one box.

UNBOXING

This products consists of:

- An outer printable and weather proof packaging with sealing system and handles.
- An EPS foam insert (two parts) with 4 slots including one cool pack per slot.
- 4 lead containers with sealing.

We deliver every part separately. The client self-assembles the packaging by putting in the lower foam part and then fills the foam with 1, 2, 3, or 4 lead containers, depending on the number of bottles to be transported. The bottle with the radioactive Lu goes into the lead container, where it rests on a small sponge. The lead container is sealed with a small tape on the seam between the pot and the lid. Next, every lead container

is separately put in an outer package (a little bag) and placed in the lower foam. The upper foam goes on top and the box can be closed. A special seal will prevent the box from being opened unnoticed.

Hopefully, this example will get you a feel for the way we approach your request and work towards a tailor-made solution for you.



MORE INFO?
Please contact
sales@vongahlen.com
Or visit
www.vongahlen.com



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