

Taggant Vendors

To date, the committee has held discussions (see Appendix C) with a number of taggant vendors, including the following:

- Bio Traces, Inc.
- Biocode, Inc.
- Cambridge Isotope Laboratories, Inc.
- CDS, Inc.
- Innovative Biosystems, Inc.
- Isotag LLC
- Micro Tracers, Inc.
- Microtrace, Inc.
- SRI International
- Tri-Valley Research

Given below are brief descriptions of each vendor's taggant concept culled from presentations and written materials supplied by the vendors.

Bio Traces, Inc.

Bio Traces, Inc., principally makes instrumentation for detection and quantification of low levels of biomolecules and proposed a taggant concept based on the use of multiphoton detection of appropriate biological and organic molecules.

Biocode, Inc.

Biocode, Inc., uses immunoassay techniques—utilizing engineered antibodies—to specifically identify matching, inert chemicals added to materials as taggants. Biocode currently provides companies in the fuels, inks, pharmaceuticals, chemicals, and other industries with systems for marking or coding their products as a means of detecting and deterring counterfeiting. The company proposed this concept for post-blast identification of explosives.

Cambridge Isotope Laboratories, Inc.

Cambridge Isotope Laboratories, Inc., synthesizes molecules (including some explosive compounds) tagged with stable, non-radioactive heavy isotopes. These isotopes are used mainly for biochemical and environmental trace analysis, but application to tagging of explosives was proposed to the committee.