



[¹²⁴I]Iodide Product

Product Description:

Name: [¹²⁴I]Iodide; NaI,

Product Specifications: MW 147, specific activity 27-35 Ci/μmole (carrier-free), > 99% radiochemical purity, > 99% radionuclidic purity (remainder I-125) in less than 1 mL aqueous solution containing approximately 1 micromole NaOH.

Expiration date: Not Applicable, however see Stability, below.

Other formulations available on request.

Application: Synthesis of I-124 labeled compounds, (investigational) iodine symporter reporter gene imaging, (investigational) thyroid uptake imaging.

How Supplied:

- Aqueous solution, basic pH, for use in radiolabeling.
- Hard gel capsule form, similar to I-131 capsules, for oral administration for thyroid imaging.

Stability: Subject to autoradiolytic oxidation resulting in conversion to iodate and resulting reduction in radiolabeling efficiency with the product. If intended for use in radiolabeling, best used within 4 days after production.

Sample Certificate of Analysis information:

Radionuclidic composition: 99.98% I-124, 0.017% I-125, no other radionuclides detected by gamma spectroscopy or decay curve analysis.

Radiochemical composition: 100% sodium iodide at time of shipment.

pH: >10

Radioactive Material, store with sufficient radiation shielding. Refrigeration is not necessary.