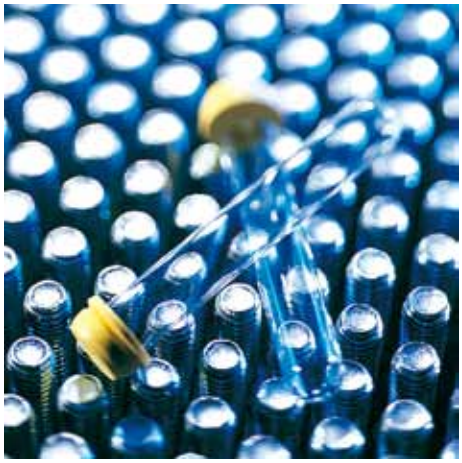
Pre-coated iodination tubes, Thermo Scientific Pierce

Thermo SCIENTIFIC

NEW PN



Unparalleled flexibility and reproducibility for radioiodinations.

- Iodinations can be completed in less than 2min
- Eliminates the tedious reagent surface coating step
- Provides a consistent reagent coated and flake-resistant surface in the tube
- Allows iodinations to be carried out directly in the tube
- Enables ^{125}I to be pre-activated directly in the tube
- Offers the opportunity to iodinate protein without ever having the protein contact the iodination reagent directly

New ^{125}I pre-activation strategy offers significant benefits, including:

- Elimination of oxidative damage to labile proteins
- No losses from nonspecific protein binding to the surface
- Flexibility to conduct iodinations in a wide variety of vessels (microcentrifuge tubes, tissue culture flasks, silanised tubes, etc.)
- Compatibility with common detergents

Catalogue No	Description	Quantity
PN28601	**Pierce pre-coated iodination tubes** Includes 50µg Pierce iodination reagent evaporated from 100µL volume in 12mm x 75mm glass test tubes	10 tubes

Iodination beads, Thermo Scientific Pierce

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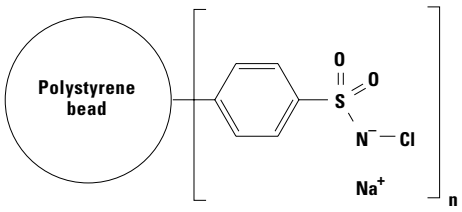

A convenient and effective method for iodinating proteins.

- Derivatised, uniform, nonporous polystyrene beads
- Remarkably reproducible iodinations
- Iodide incorporation as high as 99%; labelled protein recovery >90%
- Iodinates in the presence of azides, detergents, urea and high salt
- Allows efficient iodination of cell membrane surface proteins
- Gentler than soluble chloramine-T because there is no contact between the protein and the immobilised oxidising agent
- Reaction stopped by simply removing beads from reaction mixture with tweezers or pipette; no reducing agent necessary to terminate reaction

Recommended iodination reaction conditions

Protein or peptide	5µg to 500µg of tyrosine-containing peptide or protein per bead
Beads	One or more; specific activity can be conveniently and reproducibly controlled by changing the number of beads
Volume, reaction, µL	100 to 1,000 per bead, smaller volumes are possible using polypropylene Eppendorf tubes
Iodination buffer	100mM phosphate or Tris buffer. Solvents that dissolve the polystyrene (such as DMSO or DMF) are incompatible
pH	5.5 to 7.0, reagent beads function best at 6.5
Temperature	Functions over a wide range of temperatures
Time, min	2 to 15

Catalogue No	Description	Quantity
PN28665	**Pierce iodination beads**	50 beads
PN28666	**Pierce iodination beads** (N-Chloro-benzenesulfonamide) Bead diameter: 3.175mm, non-porous polystyrene Oxidative capacity: 0.55 ±0.05µmol/bead	250 beads