

# [<sup>90</sup>Y]Yttrium Chloride Solution

Product:	<b>[<sup>90</sup>Y]Yttrium Chloride Solution</b>
Half-life:	64.1 hours
Decay energy:	$E_{\max} = 2.28 \text{ MeV}$ ; 100% $\beta^-$
Chemical form:	[ <sup>90</sup> Y]YCl <sub>3</sub> in 0.04 M HCl solution
Concentration:	>1 GBq/ml
Specific activity:	n. c. a., product is carrier free
Activity:	0.1 – 50 GBq per vial at reference time as requested
Volume:	0.1- 5ml per vial as requested
Bulk material:	Various concentrations available
Radiochemical purity:	Higher than 99% <sup>90</sup> Y as Y <sup>3+</sup>
Radionuclide purity:	<sup>90</sup> Sr Content < 10 ppm by activity at reference time
Chemical purity:	Typically better than 95% binding efficiency with DTPA is obtained using a 74 kBq test sample of <sup>90</sup> Y contacted with solutions containing 25 picomoles of DTPA
Reference date:	<sup>90</sup> Y can be produced to meet specific customer requirements for calibration date and time. Please inquire
Packaging:	3 ml V-vial and 10ml tapered glass vial. Closure with crimp cap. Unique clear plastic inner shield allows product to be visible during withdrawal using syringe, significantly reducing hand dose. Removable outer surface contamination on plastic inner shield or lead container is below 10 Bq.
Sterility:	Sterile
Endotoxins:	Less than 30 E. U. per dose

Verification of their suitability for use in humans is the sole responsibility of the purchaser.



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