

# Product specification

**CAUTION: Radioactive material. Research use only.**

## [<sup>125</sup>I] Insulin (human recombinant)

Code: IRC-109

<b>Lot number</b>	.....	
<b>Package size</b>	1.85 MBq	50 µCi
<b>Activity reference date</b>	.....	
<b>Production date</b>	.....	
<b>Specific activity</b>	~74 TBq/mmol	~2000 Ci/mmol
<b>Molecular weight</b>	6124 Da	
<b>Radiochemical purity</b>	> 90% RCP	< 5% free iodide
<b>Biological testing</b>	RIA	
<b>Form and Storage</b>	Lyophilized, at 2-8°C After reconstitution: aliquots at -20°C	
<b>Reconstitution</b>	With 0.5 ml distilled water	
<b>Radioactive concentration</b>	~740 kBq/ml	~20 µCi/ml
<b>Buffer composition</b>	0.25 % BSA, 5% lactose, 0.2% citric acid, 0.3 TIU/ml aprotinin	
<b>Preparation</b>	Chloramine-T method Purified by HPLC	
<b>Availability</b>	A fresh batch is prepared every 4 weeks	



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