

# Product specification

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

## [<sup>125</sup>I]Progesterone

**Progesterone-11 $\alpha$ -hemisuccinate- (2-<sup>125</sup>I)iodotyrosine methyl ester)**

Code: IRC-122

<b>Lot number</b>	.....	
<b>Package size</b>	370 kBq	10 $\mu$ Ci
<b>Activity reference date</b>	.....	
<b>Production date</b>	.....	
<b>Specific activity</b>	~74 TBq/mmol	~2000 Ci/mmol
<b>Molecular weight</b>	695 Da	
<b>Radiochemical purity</b>	> 95% RCP	< 5% free iodide
<b>Biological testing</b>	RIA	
<b>Form and Storage</b>	Solution, at 2-8 $^{\circ}$ C	
<b>Radioactive concentration</b>	..... MBq/ml	..... $\mu$ Ci/ml
<b>Volume</b>	.....ml	
<b>Buffer composition</b>	Acetonitrile : water : ethanol (25:25:50)	
<b>Preparation</b>	Chloramine-T method Purified by HPLC	
<b>Availability</b>	A fresh batch is prepared every 4 weeks	



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