

^{131}I	^{131}I sodium-iodide non-sterile solution, drug substance
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<i>Product code:</i>	I-RA-5
<i>Description:</i>	Clear, colourless and sterile solution of ^{131}I sodium iodide containing iodine-131 in the form of sodium iodide in NaHCO_3 / 0.05M NaOH buffer. Non-carrier added. No reducing agents added.
<i>Radioactive concentration:</i>	≥ 100 MBq/ml
<i>Radionuclidic impurities:</i>	≤ 0.1 %
<i>Radiochemical purity:</i>	≥ 95 %
<i>pH:</i>	8 – 10
<i>Expiry date:</i>	21 days from manufacturing date
<i>Other information:</i>	Active ingredient for manufacture of radiopharmaceuticals by dilution with water or by capsule preparation, for oral administration. Starting material for labelling purposes.
<i>Indication:</i>	Therapy of hyperthyreosis and thyroid carcinoma
<i>Storage:</i>	Store at room temperature in its own container, in accordance with the regulations on radioactive materials.
<i>Packaging:</i>	In type I injection vial (6R or 10R), closed with brombutyl stopper and green aluminium cap in lead container with paper insert. (Type A packaging) Pack size: ≤ 111 GBq (at the indicated calibration date) / vial

^{131}I ISOTOPE DECAY FACTORS

day	hours	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
0	0	1.0000	0.9964	0.9928	0.9893	0.9857	0.9822	0.9787	0.9752	0.9717	0.9682	0.9647	0.9613	0.9578
	12	0.9578	0.9544	0.9510	0.9475	0.9441	0.9408	0.9374	0.9340	0.9307	0.9273	0.9240	0.9207	0.9174
	24	0.9174	0.9141	0.9108	0.9076	0.9043	0.9011	0.8978	0.8946	0.8914	0.8882	0.8850	0.8819	0.8787
1	36	0.8787	0.8755	0.8724	0.8693	0.8662	0.8631	0.8600	0.8569	0.8538	0.8507	0.8477	0.8447	0.8416
	48	0.8416	0.8386	0.8356	0.8326	0.8296	0.8266	0.8237	0.8207	0.8178	0.8148	0.8119	0.8090	0.8061
	60	0.8061	0.8032	0.8003	0.7975	0.7946	0.7918	0.7889	0.7861	0.7833	0.7805	0.7777	0.7749	0.7721
3	72	0.7721	0.7693	0.7666	0.7638	0.7611	0.7584	0.7556	0.7529	0.7502	0.7475	0.7449	0.7422	0.7395
	84	0.7395	0.7369	0.7342	0.7316	0.7290	0.7264	0.7238	0.7212	0.7186	0.7160	0.7134	0.7109	0.7083
	96	0.7083	0.7058	0.7033	0.7007	0.6982	0.6957	0.6932	0.6907	0.6883	0.6858	0.6833	0.6809	0.6784
4	108	0.6784	0.6760	0.6736	0.6712	0.6688	0.6664	0.6640	0.6616	0.6592	0.6569	0.6545	0.6522	0.6498
	120	0.6498	0.6475	0.6452	0.6429	0.6405	0.6383	0.6360	0.6337	0.6314	0.6291	0.6269	0.6246	0.6224
	132	0.6224	0.6202	0.6179	0.6157	0.6135	0.6113	0.6091	0.6069	0.6048	0.6026	0.6004	0.5983	0.5961
6	144	0.5961	0.5940	0.5919	0.5898	0.5876	0.5855	0.5834	0.5813	0.5793	0.5772	0.5751	0.5730	0.5710
	156	0.5710	0.5689	0.5669	0.5649	0.5628	0.5608	0.5588	0.5568	0.5548	0.5528	0.5508	0.5489	0.5469
	168	0.5469	0.5449	0.5430	0.5410	0.5391	0.5372	0.5352	0.5333	0.5314	0.5295	0.5276	0.5257	0.5238
7	180	0.5238	0.5219	0.5201	0.5182	0.5164	0.5145	0.5127	0.5108	0.5090	0.5072	0.5053	0.5035	0.5017