

$^{125}\text{I}$	$^{125}\text{I}$ sodium-iodide solution for labelling
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**Product code:** I-RB-31

**Description:** Clear, colourless solution containing  $^{125}\text{I}$  sodium iodide in 0.04 M NaOH.  
Non-carrier added. No reducing agents added.

**Specific activity:** > 600 GBq/mg

**Radioactive concentration:** 1110 - 7400 MBq/ml

**Radionuclidic impurities:**  $^{126}\text{I}$  < 0.9 %

**Radiochemical purity:** > 95 %

**pH:** 8 – 10

**Expiry date:** 60 days from dispatch

**Other information:** For labelling purposes.  
Not for human use!

**Storage:** Store at room temperature in its own container, in accordance with the regulations on radioactive materials.

**Packaging:** Supplied in plastic vial placed in a lead container (KT 1- 3). The lead container is packed in a labelled tear-off metal can, which contains plastic insert (Type A packaging).

$^{125}\text{I}$  ISOTOPE DECAY FACTORS

days	hours	0.0	8.0	16.0	24.0	32.0	40.0	48.0	56.0	64.0	72.0	80.0	88.0	96.0
0	0	1.0000	0.9961	0.9923	0.9884	0.9846	0.9807	0.9769	0.9731	0.9694	0.9656	0.9619	0.9581	0.9544
4	96	0.9544	0.9507	0.9470	0.9433	0.9397	0.9360	0.9324	0.9288	0.9252	0.9216	0.9180	0.9144	0.9109
8	192	0.9109	0.9073	0.9038	0.9003	0.8968	0.8933	0.8899	0.8864	0.8830	0.8796	0.8761	0.8727	0.8694
12	288	0.8694	0.8660	0.8626	0.8593	0.8559	0.8526	0.8493	0.8460	0.8427	0.8394	0.8362	0.8329	0.8297
16	384	0.8297	0.8265	0.8233	0.8201	0.8169	0.8137	0.8106	0.8074	0.8043	0.8012	0.7981	0.7950	0.7919
20	480	0.7919	0.7888	0.7857	0.7827	0.7797	0.7766	0.7736	0.7706	0.7676	0.7646	0.7617	0.7587	0.7558
24	576	0.7558	0.7528	0.7499	0.7470	0.7441	0.7412	0.7383	0.7355	0.7326	0.7298	0.7269	0.7241	0.7213
28	672	0.7213	0.7185	0.7157	0.7129	0.7102	0.7074	0.7047	0.7019	0.6992	0.6965	0.6938	0.6911	0.6884
32	768	0.6884	0.6857	0.6831	0.6804	0.6778	0.6752	0.6725	0.6699	0.6673	0.6647	0.6622	0.6596	0.6570
36	864	0.6570	0.6545	0.6519	0.6494	0.6469	0.6444	0.6419	0.6394	0.6369	0.6344	0.6320	0.6295	0.6271
40	960	0.6271	0.6246	0.6222	0.6198	0.6174	0.6150	0.6126	0.6102	0.6079	0.6055	0.6032	0.6008	0.5985
44	1056	0.5985	0.5962	0.5938	0.5915	0.5892	0.5870	0.5847	0.5824	0.5801	0.5779	0.5756	0.5734	0.5712
48	1152	0.5712	0.5690	0.5668	0.5646	0.5624	0.5602	0.5580	0.5558	0.5537	0.5515	0.5494	0.5473	0.5451
52	1248	0.5451	0.5430	0.5409	0.5388	0.5367	0.5346	0.5326	0.5305	0.5284	0.5264	0.5244	0.5223	0.5203
56	1344	0.5203	0.5183	0.5163	0.5143	0.5123	0.5103	0.5083	0.5063	0.5043	0.5024	0.5004	0.4985	0.4966
60	1440	0.4966	0.4946	0.4927	0.4908	0.4889	0.4870	0.4851	0.4832	0.4814	0.4795	0.4776	0.4758	0.4739