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CRAB2RABBIT solid target solution

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The CRAB2RABBIT system represents a newly developed solution for processing of cyclotron solid targets. It consists of two parts - the RABBIT, which is an automatic loading and transportation system, and the CRAB - a radiochemical module enabling dissolution of the solid target and its radiochemical processing.

As designed, the CRAB2RABBIT system covers and automatically controls all the steps of production of a labelled compound, beginning with transport of the prepared target to the cyclotron, followed by loading to a target holder, unloading after the irradiation, transport to the selected hot cell, dissolution, purification and labelling. The system enables processing of main radionuclides produced by solid target irradiation, such as Cu-64, Ga-68, Zr-89 and others.

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