Form IAC RP-06-003.1 Accelerator Activation Work Sheet

Pre- Irradiation

Date of activation 11/8/13 Target # 130113

Description of Target Ni foil, Yttrium foil Irradiation time 5 hrs

Radionuclide(s) of interest Y-88, Ni-57, Ar-196 Total Expected Activity (Ci) < 10 μC

Beam parameters 170 Hz 80 mA I 4 μs PW 22 MeV= 1.2 K W

Target evaluation: Target integrity, containment, melting, burning, disintegration, contamination, cooling, post irradiation handling.

Accelerator Safety Engineer: [signature]

Accelerator Engineer/operator: [signature]

Irradiation:

Start:_____ Stop:_____ Elapsed Time:_____ Not irradiated _____

Post-Irradiation:

Date Counted:_____ Time counted:_____ MPA#:_____

Detector __ A __ D Position _____ Activity for nuclide(s) of interest (Ci) _____

Release:

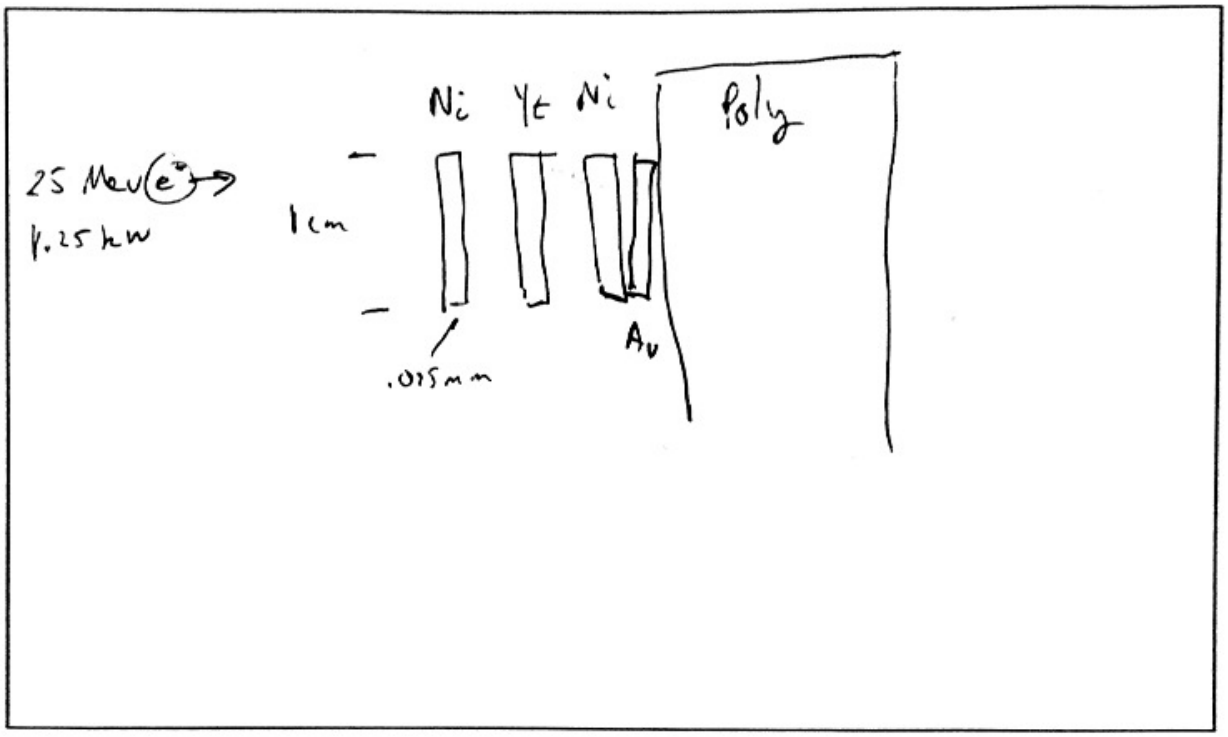
Date Counted:_____ Time counted:_____ MPA#:_____

Detector __ A __ D Position _____ Released to _____

Tag number	Nuclide	Activity (Ci)	Half Life

Released by:_____

Detailed drawing of the target



Target description a Yttrium foil sandwiched by Nickel foil and attached using Kapton tape to a 1.5" x 1.5" x 6" poly block an Au foil is inserted between the Ni & Poly.

Tag number	Target Element	Form	Mass	Nuclide	Expected activity (Ci)