



PRODUCT SHEET DISCS

Stainless Steel discs

Main Application:

Sample preparation for alpha spectrometry by electrodeposition

Order N°:

AC-D100-IN25, pack of 100 discs

AC-D250-IN25, pack of 250 discs

AC-D500-IN25, pack of 500 discs

Disc diameter: 25.4 mm

Disc thickness: 0.4 mm

One side of discs protected with vinyl tape

Material: Stainless steel type 304

Composition : Uniloy® 304 type (supplier information) :

Element	Composition (%)
Carbon	0.08 max
Manganese	2.00 max
Phosphor	0.045 max
Sulfur	0.030 max
Silicone	1.00 max
Chrome	18.00-20.00
Nickel	8.00-10.00
Iron	Balance

Silver Disc

Main Application:

Sample preparation for alphaspectrometry by autodeposition

Order N°:

AC-D50-AG25, pack of 50 discs

Disc diameter: 25.4 mm

Disc thickness: 0.4 mm

Both sides of discs protected with vinyl tape

Material: Silver (standard 925)

Composition (supplier information) :

Element	Composition (%)
Silver	92,8
Copper	7,2

Nickel Disc

Main Application:

Sample preparation for alphaspectrometry by autodeposition

Order N°:

AC-D50-NI25, pack of 50 discs

Disc diameter: 25.4 mm

Disc thickness: 0.4 mm

Material: Nickel

Composition (supplier information) :

Element	Composition (%)
Nickel	99,54
Impurities	Balance

PRODUCT SHEET DISCS

Auto-deposition kit

Main applications :

Sample preparation for alpha spectrometry by autodeposition

Order N°: **AC-05-ADK**, bag containing:

- 5 magnets
- 10 PTFE rings
- 5 50mL plastic bottles

Magnet details :

Diametre: 24-25 mm

Thickness: 4 mm with 3mm diameter magnet across centrally

NOTE: Thickness is 4mm to accommodate 3mm diameter magnet

Ring details :

22.2 mm x 28.5 mm x 1.59 mm

Use (see scheme below) :

A plastic bottle of 50mL is necessary to assemble the auto-deposition cell. After screwing the bottle in the stopper it is cut above the thread (**Step F** in scheme below) to complete the auto-deposition cell. The assembled autodeposition cell can now be placed in the beaker containing the Po sample solution. The beaker is then placed on a heating stirrer, preferably in a temperature controlled water bath.

