



# Dosimetry and Calibration Products & Services

2026 LIST



[nordion.com](http://nordion.com)



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### **Dosimetry and Calibration Products and Services**

Delivery for most items is 4 weeks subject to confirmation at time of order.

Nordion's Dosimetry Laboratory is ISO 17025 accredited for the following services:

- The calibration of routine dosimeters against Alanine reference-standard dosimeters
- The evaluation of Alanine reference-standard dosimeters
- The irradiation of customer-supplied dosimeters to known doses

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**Please contact Nordion to request a quotation | +1 613 592 2790 | [nordion.com](https://www.nordion.com)**

*Orders are subject to Nordion's Dosimetry Terms and Conditions of Sale.*

# Dosimetry and Calibration **Services**

## 1. Supply and Reading of Dosimeters

### Number

10094113

### Description

#### Supply and Reading of Alanine Dosimeters – 4-Pellet Cylindrical Holder

##### Includes:

- Supply and reading of each dosimeter
- Certificate of Measurement (Alanine measured dose)
- Quality Control package

##### Notes:

- Minimum Order: 7 dosimeters
- Dose Range: 20 Gy to 80 kGy
- This measurement service by Nordion is accredited to ISO/IEC 17025



### Number

10096474

### Description

#### Supply and Reading of Alanine Dosimeters – Disk Holder for E-Beam

##### Includes:

- Supply and reading of each dosimeter
- Certificate of Measurement (Alanine measured dose)
- Quality Control package

##### Notes:

- Minimum Order: 7 dosimeters
- Dose Range: 20 Gy to 80 kGy
- This measurement service by Nordion is accredited to ISO/IEC 17025



### Number

10097202

### Description

#### Supply and Reading of Alanine Dosimeters – Non-Certified

##### Includes:

- Supply and reading of each dosimeter, cylindrical or disk holder
- Certificate of Measurement (Alanine measured dose)

##### Notes:

- Minimum Order: 7 dosimeters
- Dose Range: 20 Gy to 80 kGy

# Dosimetry and Calibration Services

## 2. Irradiation of Dosimeters

### Number

10009995

### Description

#### Irradiation of Dosimeters – 10-Position Irradiation Stand

##### Includes:

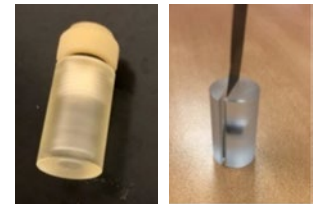
- Irradiation of dosimeters (e.g., Alanine pellets in 4-pellet holder, Alanine Tapetab in single pellet holder, Perspex PMMA films, Optichromic) to specified absorbed doses in Nordion's standard Cobalt-60 radiation field GC220 at a customer-specified constant temperature
- Certificate of Accuracy supplied with return of dosimeters to customer

##### Customer to Specify:

- Number of dose points
- Number of dosimeters (maximum 10) for each dose point
- Irradiation temperature in °C

##### Notes:

- Specified doses up to 250 kGy
- Specified irradiation temperature to be between 0°C and +60°C
- Each dosimeter must fit into a 12 mm (0.5 in) diameter cylinder with maximum height of 75 mm (3 in)
- This irradiation service by Nordion is accredited to ISO/IEC 17025



### Number

10096469

### Description

#### Irradiation of Dosimeters – Film Irradiation Stand

##### Includes:

- Irradiation of dosimeters (e.g., Perspex PMMA films, FWT-60 radiochromic films) to specified absorbed doses in Nordion's standard Cobalt-60 radiation field GC220 at a customer-specified constant temperature
- Certificate of Accuracy supplied with return of dosimeters to customer

##### Customer to Specify:

- Number of dose points
- Number of dosimeters for each dose point
- Irradiation temperature in °C

##### Notes:

- Specified doses up to 250 kGy
- Specified irradiation temperature to be between 0°C and +60°C
- This irradiation service by Nordion is accredited to ISO/IEC 17025



### 3. In-Plant Calibration

#### Number

10094114

#### Description

##### **Routine Dosimetry System In-Plant Calibration Service – Individual 4-Pellet Holder Dosimeters**

##### Includes:

- Supply of 10 Calibration packages, each package containing 2 Alanine dosimeters and 1 temperature strip for measurement of maximum irradiation temperature
- Control Package (for Nordion Quality Control)
- Determination of calibration curve for routine dosimetry system for 1 reader
- Certificate of Calibration for the routine dosimetry system
- Certificate of Measurement (Alanine measured dose)
- Review of readings obtained by customer for the irradiated routine dosimeters
- Analysis of dosimetry data

##### Notes:

- Temperature range between +10°C and +60°C
- This calibration service by Nordion is accredited to ISO/IEC 17025
- Customer is responsible to budget for holder uncertainty



#### Number

10096468

#### Description

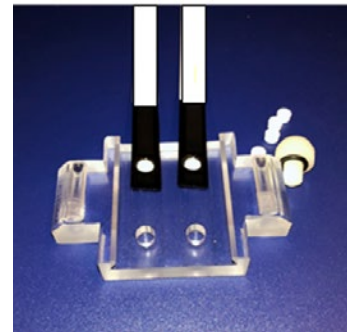
##### **Routine Dosimetry System In-Plant Calibration Service – In-Plant Tapetab Holder**

##### Includes:

- Supply of 10 Calibration packages, each package containing 1 in-plant tapetab holder (containing two 4-pellet holders centered by 4 tapetab slots holder) and 1 temperature strip for measurement of maximum irradiation temperature
- Control Package (for Nordion Quality Control)
- Determination of calibration curve for routine dosimetry system for 1 reader
- Certificate of Calibration for the routine dosimetry system
- Certificate of Measurement (Alanine measured dose)
- Review of readings obtained by customer for the irradiated routine dosimeters
- Analysis of dosimetry data

##### Notes:

- Temperature range between +10°C and +60°C
- This calibration service by Nordion is accredited to ISO/IEC 17025



# Dosimetry and Calibration Services

## 3. In-Plant Calibration

### Number

10096467

### Description

#### Routine Dosimetry System In-Plant Calibration Service – In-Plant Perspex Holder

##### Includes:

- Supply of 10 Calibration packages, each package containing 1 in-plant Perspex holder (containing two 4-pellet holders centered by slot for Perspex dosimeter) and 1 temperature strip for measurement of maximum irradiation temperature
- Control Package (for Nordion Quality Control)
- Determination of calibration curve for routine dosimetry system for 1 reader
- Certificate of Calibration for the routine dosimetry system
- Certificate of Measurement (Alanine measured dose)
- Review of readings obtained by customer for the irradiated routine dosimeters
- Analysis of dosimetry data

##### Notes:

- Temperature range between +10°C and +60°C
- This calibration service by Nordion is accredited to ISO/IEC 17025



### Number

10096466

### Description

#### Routine Dosimetry System In-Plant Calibration Service – In-Plant Alanine Disk/ Radiochromic Film Holder

##### Includes:

- Supply of 10 Calibration packages, each package containing 1 in-plant disk/FWT holder (containing 2 disk holders centered by slot for FTW film dosimeter) and 1 temperature strip for measurement of maximum irradiation temperature
- Control Package (for Nordion Quality Control)
- Determination of calibration curve for routine dosimetry system for 1 reader
- Certificate of Calibration for the routine dosimetry system
- Certificate of Measurement (Alanine measured dose)
- Review of readings obtained by customer for the irradiated routine dosimeters
- Analysis of dosimetry data

##### Notes:

- Temperature range between +10°C and +60°C
- This calibration service by Nordion is accredited to ISO/IEC 17025



# Dosimetry and Calibration **Services**

## 4. Additional In-Plant Calibration

Number	Description
10009997	<b>Additional In-Plant Calibrations – In-Plant Calibration Service</b>  Includes: <ul style="list-style-type: none"><li>• Supply of 1 additional calibration curve</li></ul> Notes: <ul style="list-style-type: none"><li>• This service is additional to Routine Dosimetry System In-Plant Calibration Service</li><li>• This calibration service by Nordion is accredited to ISO/IEC 17025</li></ul>

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# Dosimetry and Calibration **Product**

## 1. Alanine Flat Disk Holder for E-Beam

Number	Description
10096465	<b>Alanine Disk Holder</b>  Includes: <ul style="list-style-type: none"><li>• 2 components (Alanine disk cap with threads and Alanine bottom with 4 holes)</li></ul>



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## About Nordion

Nordion®, a Sotera Health company, is a leading provider of medical gamma technologies used for the prevention and treatment of disease and infection. Nordion's products are used daily by pharmaceutical and biotechnology companies, medical device manufacturers, hospitals, and research laboratories. Nordion supplies products to more than 40 countries and is committed to Safeguarding Global Health®.

**Safeguarding Global Health® – with every Cobalt-60 source we supply.**

Learn more: [nordion.com](https://nordion.com)

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