

# R&D Irradiation Service List



## R&D Irradiations Service List

Item Number	Configuration	Description
10096512	<ul style="list-style-type: none"><li>• Empty chamber</li><li>• No temperature control</li></ul>	<p>Irradiations of customer samples or products to specified absorbed doses in Nordion's Standard Cobalt-60 radiation field GC220 with no temperature control.</p> <ul style="list-style-type: none"><li>• Chamber size: 6x7 inches</li><li>• Number of samples: depends on sample size</li><li>• Dose rate: Approx 10 kGy/hr</li><li>• Includes dosimetry with 2 alanine pellets</li></ul> <p>Customer to specify:</p> <ul style="list-style-type: none"><li>• Number of dose points</li><li>• Number of samples for each dose point</li><li>• Sample size</li><li>• General description of sample material</li></ul>

Item Number	Configuration	Description
10096929	<ul style="list-style-type: none"><li>• Empty chamber</li><li>• Air cooling</li></ul>	<p>Irradiations of customer samples or products to specified absorbed doses in Nordion's Standard Cobalt-60 radiation field GC220 with temperature control using air.</p> <ul style="list-style-type: none"><li>• Chamber size: 6x7 inches</li><li>• Number of samples: depends on sample size</li><li>• Dose rate: Approx 10 kGy/hr</li><li>• Room temperature air blown into chamber</li><li>• Includes dosimetry with 2 Alanine pellets</li></ul> <p>Customer to specify:</p> <ul style="list-style-type: none"><li>• Number of dose points</li><li>• Number of samples for each dose point, sample size</li><li>• General description of sample material</li></ul>

Item Number	Configuration	Description
10096928	<ul style="list-style-type: none"><li>• Empty chamber</li><li>• Nitrogen cooling</li></ul>	<p>Irradiations of customer samples or products to specified absorbed doses in Nordion's Standard Cobalt-60 radiation field GC220 with temperature control using nitrogen.</p> <ul style="list-style-type: none"><li>• Chamber size: 6x7 inches</li><li>• Number of samples: depends on sample size</li><li>• Dose rate: Approx 10 kGy/hr</li><li>• Nitrogen blown into chamber</li><li>• Includes dosimetry with 2 Alanine pellets</li></ul> <p>Customer to specify:</p> <ul style="list-style-type: none"><li>• Number of dose points</li><li>• Number of samples for each dose point, sample size</li><li>• General description of sample material</li></ul>

Item Number	Configuration	Description
10096514	<ul style="list-style-type: none"><li>• Temperature chamber</li><li>• Air only</li></ul>	<p>Irradiations of customer samples or products to specified absorbed doses in Nordion's Standard Cobalt-60 radiation field GC220 using the temperature chamber.</p> <ul style="list-style-type: none"><li>• Irradiation temperature 25°C</li><li>• Chamber size: 3x3 inches</li><li>• Number of samples: depends on sample size</li><li>• Dose rate: Approx 10 kGy/hr</li></ul> <p>Customer to specify:</p> <ul style="list-style-type: none"><li>• Number of dose points</li><li>• Number of samples for each dose point</li><li>• General description of sample material</li></ul>

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10096515	<ul style="list-style-type: none"> <li>• Temperature chamber</li> <li>• Nitrogen only</li> </ul>	<p>Irradiations of customer samples or products to specified absorbed doses in Nordion's Standard Cobalt-60 radiation field GC220 using temperature chamber under inert gas (Nitrogen).</p> <ul style="list-style-type: none"> <li>• Irradiation temperature 25°C</li> <li>• Chamber size: 3x3 inches</li> <li>• Number of samples: depends on sample size</li> <li>• Dose rate: Approx 10 kGy/hr</li> </ul> <p>Customer to specify:</p> <ul style="list-style-type: none"> <li>• Number of dose points</li> <li>• Number of samples for each dose point</li> <li>• General description of sample material</li> </ul>
10096517	<ul style="list-style-type: none"> <li>• Temperature chamber</li> <li>• Liquid Nitrogen</li> </ul>	<p>Irradiations of customer samples or products to specified absorbed doses in Nordion's Standard Cobalt-60 radiation field GC220 at low temperature using temperature chamber.</p> <ul style="list-style-type: none"> <li>• Chamber size: 3x3 inches</li> <li>• Number of samples: depends on sample size</li> <li>• Dose rate: Approx 10 kGy/hr</li> </ul> <p>Customer to specify:</p> <ul style="list-style-type: none"> <li>• Irradiation temperature in °C</li> <li>• Number of dose points</li> <li>• Number of samples for each dose point</li> <li>• General description of sample material</li> </ul> <p>Note: Price includes dry ice if required for shipping.</p>
10096518	<ul style="list-style-type: none"> <li>• 10-position stand (0°C to 60°C) GC220</li> </ul>	<p>Irradiations of customer samples or products to specified absorbed doses in Nordion's Standard Cobalt-60 radiation field GC220 at a customer specified constant temperature.</p> <ul style="list-style-type: none"> <li>• Sample size: 12mm diameter x 70mm tall</li> <li>• Number of samples: Max of 10 per dose point</li> </ul> <p>Customer to specify:</p> <ul style="list-style-type: none"> <li>• Irradiation temperature in °C</li> <li>• Number of dose points</li> <li>• Number of samples for each dose point</li> <li>• General description of sample material</li> </ul>
10096513	<ul style="list-style-type: none"> <li>• Dose map</li> </ul>	<p>Dose mapping of sample configuration in Gammacell. Used to confirm the exposure time (timer setting) for the given product in a specific configuration, as well as the positions and values of the minimum and maximum doses.</p>
10096516	<ul style="list-style-type: none"> <li>• Specialty handling</li> </ul>	<p>Storage and handling of non-standard materials such as cryogenic materials.</p>

Note: Doses higher than specified are custom orders

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## About Nordion

Nordion is the leading global provider of reliable, long-term, end-to-end Cobalt-60 supply and services. With a 75-year history of safety and quality, we are the leading global provider of Gamma technologies that benefit the lives of millions. We ensure reliable supply to the leaders in healthcare, including our sister business, Sterigenics. Learn more about Nordion at [nordion.com](https://nordion.com)

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

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