The Protector by Your Side

Fully automated dose preparation and patient infusion in a single, easy-to-use, mobile system* to:

› Reduce clinicians radiation exposure
› Improve delivered patient dose accuracy
› Personalize patient care
› Drive operational efficiency

* PET Infusion System for the dose administration/delivery of 18F-FDG or 18F-NaF
Safety, Accuracy and Efficiency.
All in One System.

Using a fully-shielded, mobile design, the system infuses accurate, repeatable, patient-specific doses from a multi-dose vial, all managed through a simple touchscreen.

Safety for Clinicians

› Automated dose preparation and patient infusion enable hands-off operation and increased distance from the activity source
› Tungsten and lead shielding provide reduction in radiation exposure for clinicians
› The MEDRAD® Intego PET Infusion System has been documented to reduce operator radiation exposure in PET procedures (please refer to radiology.bayer.com for Clinical Experience References)

Clinical Experience

Body and extremities exposure reduction compared to manual injection:

› 94% reduction in operator extremity dose
› 10-fold decrease in staff extremity and body doses during administration
› 59.3% reduction in body dose

One System.
More than 3.5 Million Proven Results.

3.5 million times around the world, MEDRAD® Intego has been trusted for PET infusions. The MEDRAD® Intego PET Infusion System has an installed base of more than 400 units in more than 45 countries.

Ask about our clinical experience references to see how MEDRAD® Intego is providing benefits to sites around the world

MEDRAD® Intego placements as of March 2017. Contact your authorized Bayer representative for the most current list of sites near you.

** Based on worldwide Patient Administration Set (PAS) sales data August 2008–January 2019
Accuracy of Delivered Dose

High Accuracy of Delivered vs. Prescribed Dose
Dose preparation, patient infusion, and saline flush all combined into one system with highly accurate delivered vs. prescribed dose

Clinical Experience
2% Difference between prescribed and delivered activity\(^4,5\)

Delivered Dose vs. Prescribed Dose
EANM Variability Guidelines Compared to MEDRAD\textsuperscript{®} Intego IRRIS Data

\begin{table}
\centering
\begin{tabular}{|c|c|}
\hline
\textbf{Percentage} & \textbf{Number of Doses} \\
\hline
15% & 0 \\
10% & 0 \\
5% & 0 \\
0% & 24,717 \\
-5% & 0 \\
-10% & 0 \\
-15% & 0 \\
\hline
\end{tabular}
\caption{Delivered Dose vs. Prescribed Dose}
\end{table}

\(\text{MEDRAD}^\text{®} \text{Intego IRRIS survey: Delivered dose vs. prescribed dose}^5\)
- \(n: 24,717\)
- \(\text{Mean}: -0.57\%\)
- \(\text{Std Dev}: 1.8\%\)

EANM Guidelines\(^*\) for delivered dose

\(\text{EANM Variability Guidelines}^6\)

\(\text{High Accuracy of Delivered vs. Prescribed Dose}\)

\(\text{Clinical Experience}\)

\(\text{2\% Difference between prescribed and delivered activity}^{4,5}\)

\(\text{Delivered Dose vs. Prescribed Dose}\)

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\(\text{EANM Guidelines}\) for delivered dose

\(\text{EANM Variability Guidelines}\)
Deliver Personalized Patient Dose
Patient-specific dosing calculation and precise administration with automated weight-based dosing from a simple touchscreen

Clinical Experience
43% median dose reduction for weight-based dosing vs. standard injections in a study of 24,716 FDG PET administrations with MEDRAD® Intego

In compliance with HIPAA regulations, patient information listed on the GUIs are fictitious examples only and do not contain any actual patient data.

NEW! MEDRAD® Intego Goes Wireless with MEDRAD® Intego Connect

- Save time and steps through wireless PET schedule import
- Automated Infusion Records and Radiation Dose Tracking with wireless export of Infusion records and Radiation Dose to PACS

Efficiency and Workflow Benefits for PET Departments

- Eliminate non-value added steps with Automated dose preparation, administration, and documentation
- Schedule flexibility to respond to patients who arrive late or require unexpected prep time with Dose-on-demand functionality from a multi-dose vial
- Streamline processes and workflow with USB connectivity to HIS/RIS/, mobility, and full battery operation

Clinical Experience

“Improved pace and accuracy in a busy clinical PET department. Staff time, physical labor, and distractions were saved.”
A PET Infusion System with the Precision, Flexibility, Safety, Efficiency, and Reliability That Matters ... to Your Next Patient.

Post Sales Service

➤ **Bayer Equipment Service** is built on optimizing uptime, maximizing value, reducing risk, and keeping Bayer devices performing at peak efficiency.

Ordering Information

<table>
<thead>
<tr>
<th>Item description</th>
<th>Catalog #</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDRAD® Intego PET Infusion System</td>
<td>INT SYS 200</td>
</tr>
<tr>
<td>Source Administration Set (SAS)</td>
<td>INT CSS</td>
</tr>
<tr>
<td>Patient Administration Set (PAS)</td>
<td>INT CPS</td>
</tr>
<tr>
<td>MEDRAD® Intego Connect</td>
<td>SW - WLIST, SW - IRPACS and SW - RDPACS</td>
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</tbody>
</table>

Technical Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>355 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>50.8 cm wide, 69.2 cm deep, 130.7 cm high</td>
</tr>
<tr>
<td>Maximum radioactivity</td>
<td>27.75 GBq for shielding effectiveness / 25.9 GBq for dose preparation</td>
</tr>
<tr>
<td>Concentration range</td>
<td>12.3 – 3,700 MBq/mL</td>
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<tr>
<td>Saline test injection range</td>
<td>5 – 30 mL</td>
</tr>
<tr>
<td>Additional saline flush range</td>
<td>0 – 30 mL</td>
</tr>
<tr>
<td>Dose range</td>
<td>37 – 925 MBq</td>
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<tr>
<td>Dose accuracy</td>
<td>± 2 % of the measured dose</td>
</tr>
<tr>
<td>Flow rate</td>
<td>0.5 mL/sec or 1.0 mL/sec</td>
</tr>
<tr>
<td>System driving speed</td>
<td>0.4–0.67 m/s</td>
</tr>
</tbody>
</table>

System radiation profile

➤ Peak rate equal to or less than 0.014 mSv/hr at 30.5 cm from any surface of the cart with 27.75 GBq in the vial
➤ Peak rate equal to or less than 0.001 mSv/hr at 30.5 cm from the surface in the Operator Position with 27.75 GBq in the vial
Every day it's your expertise that provides clear direction on a patient's clinical journey. Putting an end to uncertainty. We recognize the difference you make. That's why we're committed to supporting you in your crucial task. Every single day.

More information on radiology.bayer.ca

Bayer reserves the right to modify the specifications and features described herein or to discontinue any product or service identified in this publication at any time without prior notice or obligation. Please contact your authorized Bayer representative for the most current information.

All patient data that appear in this document are fictitious. No actual patient information is shown.

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