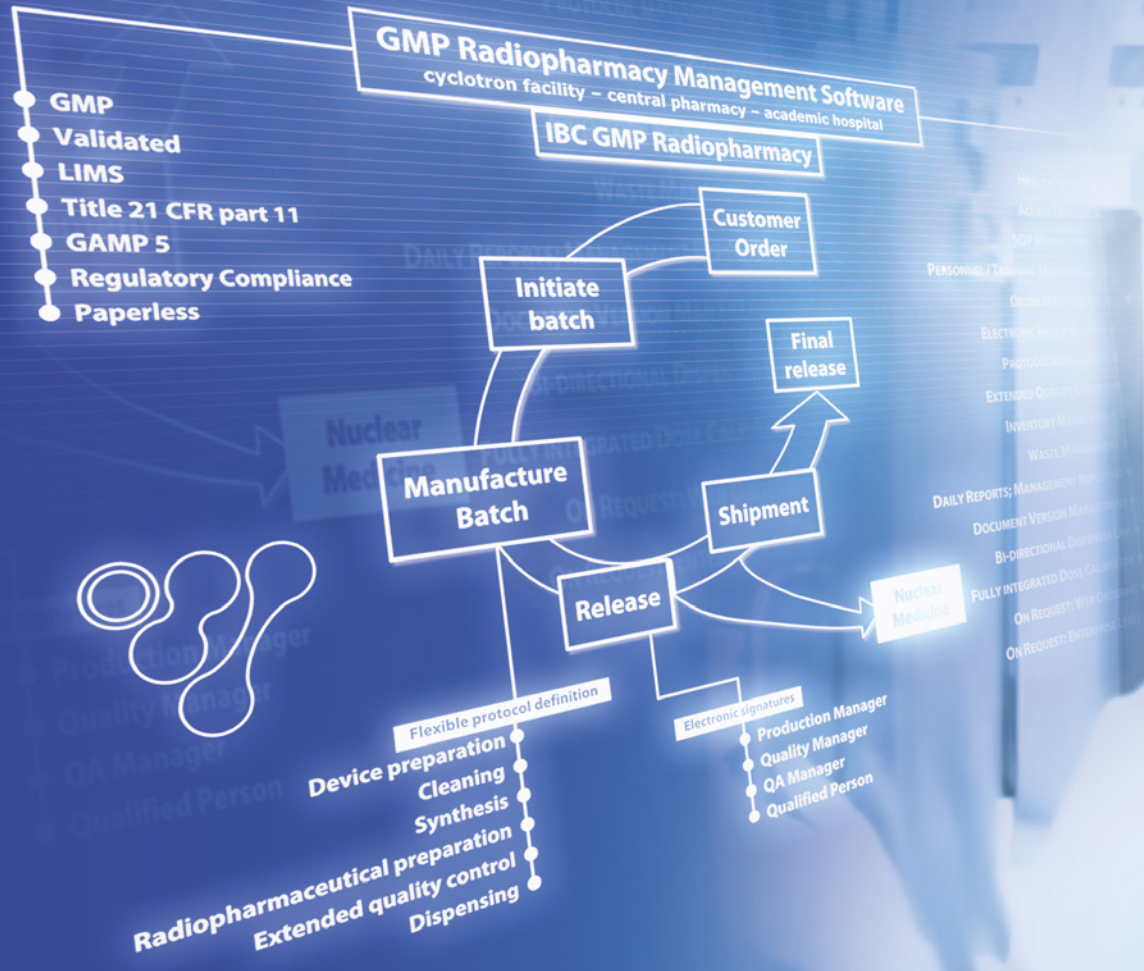


# IBC GMP IBC RP

MANAGEMENT SOFTWARE



IBC GMP



IBC RP

**IMPROVING** RADIOPHARMACY WORKFLOW

## IBC GMP & IBC RP

IBC GMP and IBC RP are client-server software systems for hospital radiopharmacies, university hospitals with cyclotron, and production centres.

### IBC GMP

It provides support to meet GMP standards during daily operations related to inventory management, handling of materials, preparation, batch production, quality control and delivery of PET tracers and other radiopharmaceuticals.

Thanks to the high level of integrated automation for the standardisation of processes in a single software, it is finally possible to eliminate all the various electronic tools required for recording and connecting data in line with the compliance requirements of GMP standards.

IBC GMP provides a single data entry point which ensures full traceability, from raw materials to the issue and delivery of a single or multiple dose of radiopharmaceuticals. This reduces overhead costs for data entry and related errors, while providing better product quality and patient safety.

If there is a nuclear medicine department, the IBC GMP software can be implemented with patient modules that provide the option of sharing exam scheduling and injected dose records via DICOM or HL7 communication protocols.

### IBC RP

IBC RP is a software for radiopharmacy and Pet centers that don't need a full GMP compliancy, while still allowing the user to follow the entire production, storage, and waste management workflow in addition to managing orders and shipping. If there is a nuclear medicine department, IBC RP also allows use of the IBC Patient Extension option.

- 1. CUSTOMER ORDERS**  
RECEIVING radiopharmaceutical orders from customers or manually ENTERING orders.
- 2. PRODUCTION BATCH MANAGEMENT**  
Creating a new batch to produce  $[^{18}\text{F}]$ -FDG or other radiopharmaceuticals.
- 3. INVENTORY MANAGEMENT**  
The materials needed for production and quality control are received and stored with the stock.
- 4. MASTER FORMULA**  
Checking and collecting the required raw materials.
- 5. CYCLOTRON MANAGEMENT**  
Checking and collecting all the relevant data coming from the cyclotron.
- 6. PRODUCTION PREPARATION**  
Production preparation activity. Electronic records.
- 7. PRODUCTION AND DISPENSING**  
Synthesis and dispensing operations.
- 8. QUALITY CONTROL**  
Quality control management.
- 9. SHIPPING**  
Customer data and transport document management.
- 10. PATIENT MANAGEMENT**  
The radiopharmaceuticals produced in the establishment can be used for in-house patients and injections.



Cyclotron management



Production preparation



Production and dispensing



Quality control



Automated multidose injection system

## TECHNICAL FEATURES

	IBC GMP	IBC RP
Material purchasing	S	S
Label management	S	S
Stock management	S	S
Waste management	S	S
Integration with dose calibrator	S	S
FEBO/ALTHEA/TIMO2 integration	S	S
Mo99 penetration QC	S	S
Radiopharmaceutical composition/preparation, based on protocol	S	S
Base radiopharmaceutical QC	S	S
ARGO integration	S	S
Order management	S	S
Delivery management	S	S
Protocol advanced functions	S	S
CLIO/THEODORICO integration	S	S
<b>IBC GMP PRODUCTION</b>		
Main production and control records:		
• Batch record management;	S	0
• QC protocol and QC sample management		
• Document and SOP management		
<b>IBC GMP EQUIPMENT MANAGEMENT</b>		
• Equipment management	S	0
• Document and SOP management		
<b>IBC GMP HEALTH PHYSICS</b>		
• Personnel and training management	S	0
• Document and SOP management		
• Instrument calibration management		
<b>IBC GMP PATIENT EXTENSION</b>		
• Patient management		
• Base dose preparation		
• Patient management		
• Injection record	0	0
• DICOM connection		
• IRIS integration		
• EANM dosage tables		
Connecting dose calibrators from other manufacturers	0	0
EXTRA floating licenses	0	0
XML export	0	0
HL7 connection	0	0
Script of the doses	0	0
Additional IBC and system configuration training course	0	0
IBC environment test	0	0
Intego link	0	0
IBC validation package	0	0

S= Standard; 0= Option

### System requirements

The following operating systems are supported:

- Windows 2003 (32 and 64 bit)
- Windows 2008 (32 and 64 bit)
- Windows Vista (32 and 64 bit)
- Windows 7 (32 and 64 bit)
- Windows 10 (32 and 64 bit)

### IBC needs the following additional requirements:

- 200MB of space on hard drive for installation
- 800x600 pixel minimum screen resolution
- 1GB minimum space on hard drive for server

### Kontakt / Contact:



WINKGEN MEDICAL SYSTEMS GmbH & Co. KG  
 Eichendorffstraße 3  
 D-35584 Wetzlar  
 Telefon: +49(0)6441 / 381437  
 Telefax: +49(0)6441 / 381442  
[www.winkgen.de](http://www.winkgen.de) / [email@winkgen.de](mailto:email@winkgen.de)

**IBC GMP**  
 LABORATORY MANAGEMENT SOFTWARE  
**IBC RP**  
 LABORATORY MANAGEMENT SOFTWARE



[www.comecer.com/ibc-gmp](http://www.comecer.com/ibc-gmp)  
**COMECER**