



CYTOCARE – YOUR FUTURE STARTS NOW

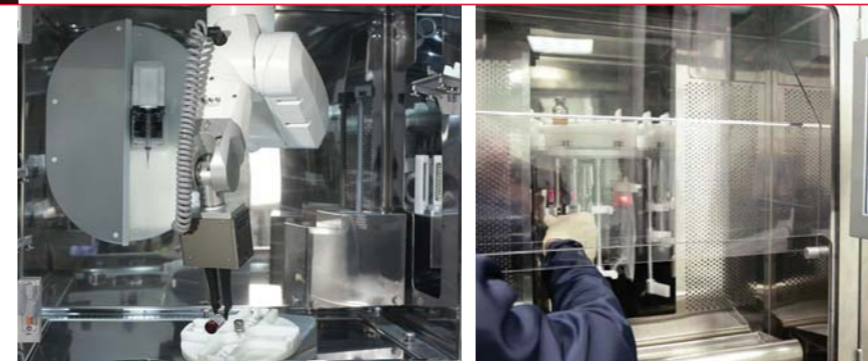
In the critical area of cancer care, healthcare providers are experiencing growing pressure to **improve patients safety** and **decrease operator's risk** while at the same time working more efficiently and **containing costs**.

The higher incidence rate of cancer and the growing complexity of treatment protocols, combined with a shortage of qualified staff, results in an increasing workload which directly affects the quality of patient services. Some of the most serious issues with cancer care include:

- Patient Safety
- Operational Safety
- Suboptimal Allocation of Resources

CytoCare directly addresses these challenges, as it the complex and dangerous tasks associated with CSP (Compounded Sterile Preparations), **increasing quality and overall competitiveness**.

CytoCare is your all around solution, providing highest levels of SAFETY and EFFICIENCY to you, your team, and your patients.



COMPLIANCE TO STANDARDS & REGULATIONS

- Machinery Directive 98/37 CEE (89/392 CEE, 91/368 CEE, 93/44 CEE, 93/68 CEE)
- Low Voltage Directive 72/23 CEE
- EMC Directive 89/336 CEE
- Directive 93/465/CEE in CE Mark labeling
- EN 12469 Performance criteria for microbiological safety cabinets (applicable sections)
- DIN 12980 Cabinets for handling cytotoxic drugs (applicable sections)
- EN ISO 14644 Cleanroom (ISO 5 air quality)
- Follows GAMP 4 guidelines

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CytoCare

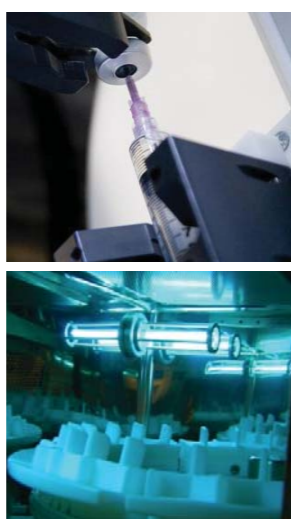
YOUR AUTOMATED SOLUTION FOR COMPOUNDING
HAZARDOUS STERILE PREPARATIONS



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SAFETY

CytoCare provides you with the means to enhance **efficient risk management** and to proactively **increase safety levels** for your patients and your staff



EFFICIENCY

In a time of growing economic and regulatory pressure, CytoCare helps you face staffing and quality issues, supporting you to become **tomorrow's healthcare organization today**.



TECHNOLOGY

CytoCare – Cutting edge technology for CSPs



RELIABILITY

With its comprehensive control system, CytoCare double-checks each preparation and **eliminates risks related to drug exchange or unacceptable dosage errors**.

STERILITY

Through sophisticated airflow engineering, CytoCare maintains an **ISO Class 5 clean room** environment in its compounding area, protecting the preparation from chemical and biological contamination. Integrated UV lights sterilize the working surfaces overnight.

ACCURACY

CytoCare guarantees a dosage **accuracy within 95%+**. The therapeutic window of medications can be optimally used, providing your patients with the most effective treatment.

TRACEABILITY

Through state-of-the-art Information Technology every step from IV prescription to IV administration can be tracked in time and associated to an authorized user. Comprehensive documentation and audit trails are created automatically and give you **total control of the overall process**.

OPERATIONAL SAFETY

Scientific studies have shown that **CytoCare prevents the risk of exposure to hazardous medications, needle-stick injuries and repetitive strain injury**. CytoCare offers your staff a safe and motivating working environment.

USABILITY

With its intuitive and user-friendly interface, CytoCare decreases your dependence on scarce pharmacy staff and gives you **total control over the entire compounding process**.

FLEXIBILITY

CytoCare can handle a wide spectrum of different medications and medical devices, offering you the flexibility you need with the newest oncology protocols.



ECONOMY

CytoCare is the solution for an **optimized employment of your resources**. CytoCare eliminates as many as 80% of steps compared to manual compounding and gives you the possibility to allocate valuable human resources to other tasks.

QUALITY

CytoCare integrates seamlessly within a **GMP compliant process**. With CytoCare you can streamline your workflow by efficiently planning CSP schedules and coordinating your resources. CytoCare is your best solution to **increase productivity while maintaining highest levels of quality**.

HEPA FILTERS / AIR TREATMENT UNIT

- 4 HEPA filters, maintaining an ISO Class 5 clean room environment
- Negative pressure environment, protecting the operator from contamination
- Air-curtains, safeguarding sterility and avoiding cross-contamination

COMPOUNDING AREA

- 6-axis anthropomorphic robotic arm, granting maximum mobility
- High-precision balance for independent weight check
- Vial shaker for automated reconstitution of powders

AUTOMATED WASTE MANAGEMENT

- Automated sealing of the waste container, protecting operator from surface contamination

LOADING/UNLOADING AREA & CAROUSEL

- LAF technology, protecting operator from contamination
- Carousel with 9 compartments for continuous production flow

LCD TOUCHSCREEN MONITOR

- Intuitive user interface

BARCODE READER & PRINTER

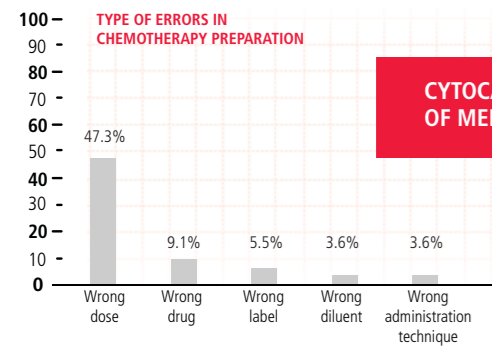
- Dosing tracking through barcode or RFID technology
- Fully customizable product labels

ELECTRONIC COMPARTMENT

- Native interface to CytoPlan – Pharmacy Management Software
- Integration with HIS, CPOE and MAR through standard or custom interface

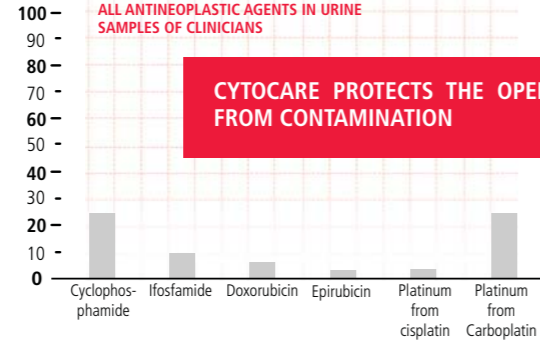


Incidence of preparation errors:
5% of compounded solutions



CYTOCARE ELIMINATES THE RISK OF MEDICATION EXCHANGE ERRORS

All antineoplastic agents that were considered were found in urine samples in up to 40% of participants



CYTOCARE PROTECTS THE OPERATOR FROM CONTAMINATION

SUPPORTED PRODUCT TYPES

Plastic syringes	3 ml, 10 ml, 60 ml
Plastic bags	50 to 1000 ml
Ecoflac® plus	50 to 1000 ml
Selected elastomeric infusors	
Drug vials	Height between 39 and 84 mm
	Diameter between 27 and 43 mm

Through its intelligent planning software, CytoCare helps you optimize medication usage and **reduce waste of medications**.

Featuring a continuous production flow, CytoCare allows you to **improve your throughput**, respecting quality standards and safety regulations.