



The syringe system
is delivered in

- Sterile
- Clean
- Ready to fill format

ClearJect™ Syringes

A new and innovative drug
delivery platform based on
COP (cyclic olefin polymer)



ClearJect™ pre-fillable
ready to use syringes for

- Oncology
- Contrast media
- Ophthalmology
- Diluents
- Biotech



GERRESHEIMER



GERRESHEIMER

Gerresheimer Bünde GmbH

Erich-Martens-Strasse 26 - 32 • 32257 Bünde • Germany
Phone +49 5223 164-0 • Fax +49 5223 164-211
clearject@gerresheimer.com • www.gerresheimer.com

Gerresheimer AG

Benrather Strasse 18 - 20 • 40213 Düsseldorf • Germany
Phone +49 211 6181-00 • Fax +49 211 6181-295
info@gerresheimer.com • www.gerresheimer.com

ClearJect™ – COP Syringes

Technical Information

Gerresheimer introduces a new and innovative drug delivery platform based on COP (cyclic olefin polymer) syringes. Pure COP polymers, heavy metal ion free, offer an optimal base to achieve stability for sensitive drugs.

High-precision moulding under clean room conditions in combination with Japanese quality requirements meets customer needs.

Through cooperation between Gerresheimer, Germany and Taisei Kako, Japan this excellent new drug delivery platform becomes available to the worldwide market.



Main characteristics

- Japanese production quality in full GMP compliance
- Robot injection moulding under clean room conditions
- High resistance to shock and breakage
- Impact strength 2 times the value of standard glass material
- Highly transparent, light transmission larger than 90%
- Low water vapour permeability
- Low oxygen permeability
- 100% on-line controlled siliconization process
- Syringes are gamma sterilized
- Ready-to-fill-type packaging



Formats available

- Luer cone version
 - 1 ml long
 - 2,25 ml
 - 5 ml
- Luer lock version
 - 5 ml

Customized versions available on request



The COP based drug delivery system consists of:

- COP barrel closed by a tip cap made from latex-free rubber
- An elastometric plunger stopper made from latex-free rubber
- 100% vision inspected plunger rods made from polystyrene or polyethylene
- Tip caps and plunger stoppers are made from the same gamma resistant elastomer formulation (chloro butyl)

