



PREMIUM TYPE II GLASS VIALS  
FOR INJECTABLE DRUGS



**Clareo**®

As part of continuous **improvement** efforts to enhance glass **performance** and ensure patient **safety**, SGD Pharma has developed **Clareo**, high quality Type II glass vials for injectable drugs.



Smoother 20mm neck finish



Homogeneous glass wall thickness

Bottom regularity

#### DID YOU KNOW THAT?



Clareo premium glass vials for injectable drug products are an ideal combination of more uniform wall thickness and higher cosmetic quality.

- ◎ Same composition as regular Type II glass
- ◎ Same production plant (Kipfenberg, Germany)
- ◎ Same ISO dimensions as regular Type II glass
- ◎ No regulatory change in Type II glass



#### Improved Container Closure Integrity (CCI)

Clareo vials minimize stopper «pop up».



#### Superior cosmetic quality

Clareo vials speed up quality inspection before and after filling.



#### Reduced breakage rate

Clareo vials significantly increase mechanical resistance, offering a better internal pressure resistance and improving vertical resistance by 10%.



#### Unmatched quality

SGD Pharma is the only supplier worldwide offering these premium vials for injectable drug products, in Type II glass.



Reliable quality is one of the key benefits of clareo vials. The reduced waste of filled vials and improvements in production line performance allow pharmaceutical companies to lower their Total Cost of Ownership (TCO).



## OUR RANGE

Ref	ml	ml	g	ISO 20	mm	mm	Type II	Type III
34554 74	6.0	7.0	11.0	ISO 20	38.0	21.0	●	○
00770 74	10.0	13.1	21.0	ISO 20	53.5	21.0	●	○
00771 74	15.0	17.0	24.0	ISO 20	58.8	26.5	●	○
00776 74	20.0	26.0	29.0	ISO 20	58.0	32.0	●	○
00071 74	30.0	38.0	35.0	ISO 20	62.8	36.0	●	○
00772 74	50.0	60.0	49.0	ISO 20	73.0	42.5	●	○
01500 74	100.0	116.2	84.0	ISO 20	94.5	51.6	●	○

- Standard item, subject to stock availability
- Item available upon production, receipt of order, subject to minimum quantities



© Lyophilization options, offering an optimized vial base, are available on request  
 For more information, please contact your local representative



## MANY PHARMA CUSTOMERS ALREADY BENEFIT FROM CLAREO

CUSTOMER 1

### REDUCED BREAKAGE DURING THE LYOPHILIZATION PROCESS

#### The problem

A customer using high levels of the additive mannitol in the production of a freeze-dried drug product experienced increased internal pressure on the glass vial walls. This resulted in a high breakage rate when using vials from the incumbent supplier.



When switching to Clareo vials, the breakage rate reduced significantly, resulting in 80% less time needed to clean lyo equipment.

CUSTOMER 2

### REDUCED BREAKAGE DURING THE FILLING PROCESS

#### The problem

A customer using a competitor's standard molded vials was facing a high breakage rate in their liquid filling process.



Clareo vials have increased mechanical resistance which reduces the number of breakages to 10 times lower than before, resulting in less waste of valuable drug products.

CUSTOMER 3

### IMPROVED TCO

#### The problem

A customer filling a high value drug in standard molded vials needed to reduce the number of false rejects caused by poor inspectability before filling.



The superior cosmetic quality of Clareo vials speeds up inspection and improved the customer's TCO.

CUSTOMER 4

### IMPROVED CCI

#### The problem

A generic drug manufacturer suffered from poor molded vial stopper integrity and damage to the vial during the closure process.



The customer saved time and costs thanks to Clareo's superior stopper integrity, protecting vials on the filling line from inadequate closure.



SCAN-ME  
TO WATCH  
THE PRODUCT  
VIDEO



REQUEST YOUR  
SAMPLE BOX

TO GET THE BENEFITS OF CLAREO, PLEASE CONTACT YOUR LOCAL SGD PHARMA REPRESENTATIVE.



[www.sgd-pharma.com](http://www.sgd-pharma.com)

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