

QCLEAN[®]

Safety Filter Cover Needle



Easy & Safety QCLEAN[®]

Easy-to-use, all-in-one filter needle
No need to replace a filter needle
with a standard one

Only QCLEAN[®]

0.2 μ m, 1.2 μ m filters remove bacteria, fungi
Candida albicans / Removal rates for *Candida albicans*
and *Brevundimonas Diminuta* : 99.999%
Testing Agency: Soonchunhyang University
(a government-certified lab)

Quick QCLEAN[®]

cap-type, high-capacity filters boast
high filtration speed.

Safety Filter Cover Needle

The patented hub structure of *QCLEAN*[®] Filter enables effective elimination of impurities, bacteria, and fungi



Do you still worry about the inadvertent administration of
bacteria, glass shards or rubber-stopper fragments?

QCLEAN[®] addresses such safety concerns.

Trust **QCLEAN**®

Patent-pending all-in-one filter needle



QCLEAN® patent pending in 21 countries



Use of QCLEAN® Syringe for the sake of medical staff and patient safety.

The inadvertent administration of bacteria, glass shards or small fragments of the vial's rubber stopper could cause serious problems such as **phlebitis, blood clots, tissue necrosis and sepsis.**



- QCLEAN® 's Cap-type Filter

QCLEAN® prevents needles from being bent, thus reducing the risk of skin and muscular damage and vascular trauma.



Regular needle



QCLEAN® filter needle

- QCLEAN® All-in-one Syringe

QCLEAN® protects medical staff from needlestick injuries.



Regular needle



QCLEAN® filter needle

The use of filter needles is recommended by the Ministry of Food and Drug Safety, the U.S. Food and Drug Administration (FDA), the Centers for Disease Control and Prevention (CDC) and the American Society of Health-System Pharmacists (ASHP).





Only QCLEAN®

0.2, 1.2µm filter needles filter out bacteria and fungi.



Product Type

Filter specifications	0.2µm	1.2µm		3µm		5µm	
	Filters eliminate bacteria, glass shards, rubber-stopper fragments			Filters eliminate glass shards, rubber-stopper fragments			
Filter cap Size	Ultra high capacity 25mm	Standard capacity 7mm	High capacity 11.8mm	Standard capacity 7mm	High capacity 11.8mm	Standard capacity 7mm	High capacity 11.8mm
							

- QCLEAN® is removal rates for Candida albicans and Brevundimonas Diminuta stand at 99.999%, according to the result of a test, conducted by Soonchunhyang University (a government-certified testing agency)
- Since July 1, 2016, the use of 0.2µm, 1.2µm filter needles have been selectively subsidized by the Korean government.

QCLEAN® VS Other Products

Type	All-in-one Type		Replacement Required Type
	QCLEAN®	Other Products	Other Products
Prevention of secondary contamination occurring when changing needles	○	○	X
Medical staff safety	○	△	△
Medical staff safety	○	△	X
Elimination of impurities when withdrawing medication into a syringe	○	△	○
High filtration speed	○	△	△
Elimination of bacteria, fungi Product lineup including 0.2µm, 1.2µm filters	○	X	△
Prevention of needle bending	○	X	X

Easy QCLEAN®

QCLEAN® easy-to-use, all-in-one syringe comes with a cap-type filter needle attached.

No need for replacing a filter needle with a regular one



How to Use

STEP 01

Remove CLEAN® protection cap from CLEAN® filter needle
 CLEAN® syringe comes fitted with a regular needle sealed by a cap-type filter needle.



STEP 02

Withdraw solution.
 When you withdraw medication from a vial or a glass ampule, CLEAN® cap-type filter catches impurities fast.



STEP 03

Do Not recap the filter needle.
 CLEAN® cap-type filter serves as a needle protection cap. Leave CLEAN® cap-type filter on the syringe until you are ready to inject.



STEP 04

Remove CLEAN® cap-type filter.
 Press the yellow button to remove CLEAN® cap-type filter



STEP 05

Remove CLEAN® cap-type filter.
 CLEAN® cap-type filter will easily detach if you hold the syringe with the needle pointing down.



STEP 06

Inject medication into the patient.
 (Remove the needle from the syringe if a 3-way stopcock is in use)

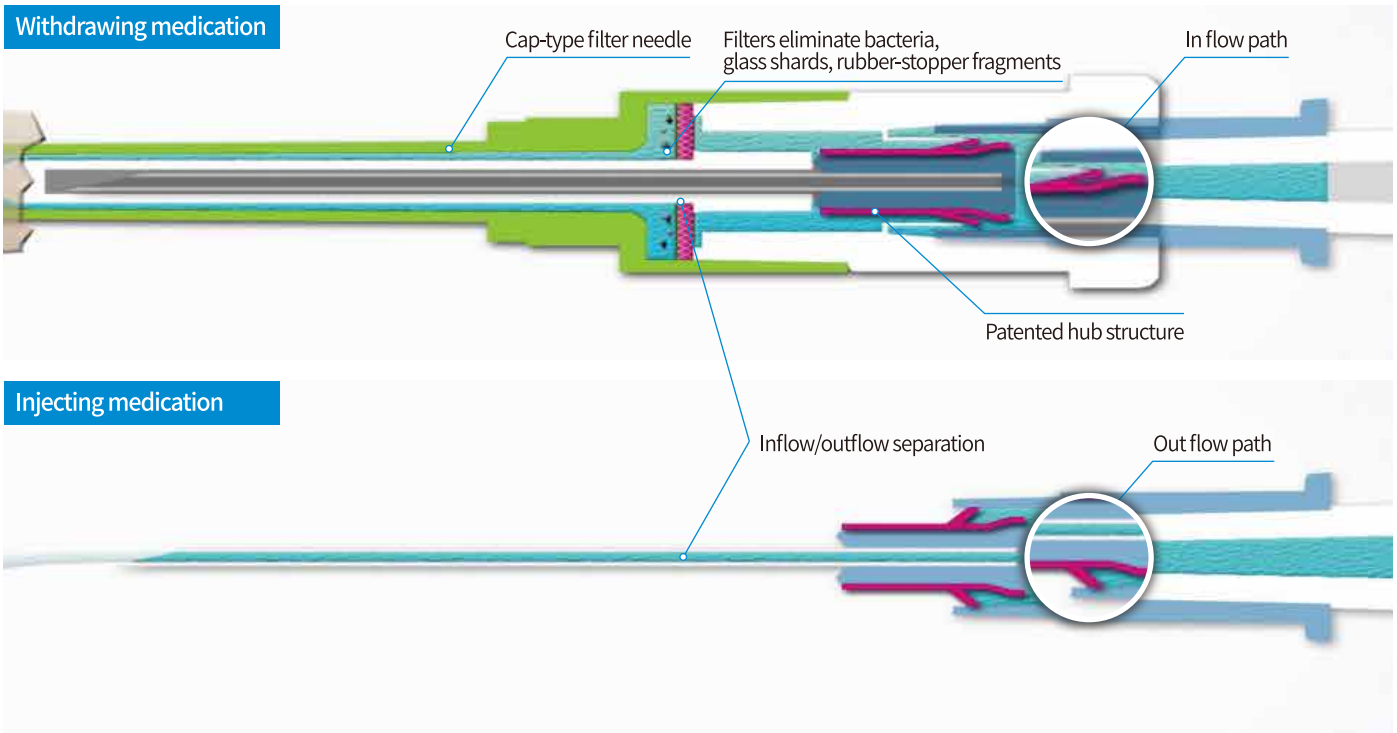


Quick QCLEAN®

QCLEAN® cap-type, high-capacity filters boast high filtration speed.



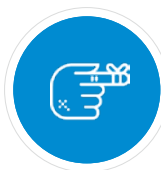
Product Structure



- CLEAN's patented hub structure helps speed up medication withdrawal.
- Complete separation of the inflow and outflow of medication enhances filtration efficiency.



Wide Product Lineup
0.2µm, 1.2µm filters are designed to filter out bacteria, fungi, glass shards and rubber-stopper fragments, without sacrificing filtration speed.



All-in-one Filter Needle
No need to replace a filter needle with a regular one before injecting. CLEAN reduces the risk of needle stick injuries and secondary contamination occurring when changing needles.



Patented Hub Structure
7 patents granted in S. Korea
Patent pending in 21 countries
(7 patent applications filed in each country)
high-speed filtration



Cap-type Filter Needle
CLEAN Filter serves as a needle protection cap, thereby protecting needles and preventing contamination/infection.



Inflow/Outflow Separation
CLEAN is a one-way filter only and should be removed once medication is filtered.



Compatibility
CLEAN is compatible with various syringes, including safety syringes, luer-lock syringes, large-volume syringes

Safety QCLEAN®

QCLEAN® All-in-one Filter Needle, backed by its patented hub structure, effectively wards off impurities.



CLEAN® Product size

Filter Type			
Type	Filter cap Size	Filter specifications	Code
All-in-one Type	Ultra high-capacity (25mm)	0.2µm	BM0302HV
	High-capacity (11.8mm)	0.2µm	BM0302HV
		1.2µm	BM0302HV
		3µm	
		5µm	BM0300HV
	Standard-capacity (7mm)	1.2µm	BM0302HV
		3µm	
		5µm	BM0300HV
	Replacement Required Type	Ultra high-capacity (25mm)	0.2µm
High-capacity (11.8mm)		1.2µm	
		3µm	
		5µm	BM0301HV
Standard-capacity (7mm)		1.2µm	
		3µm	
		5µm	BM0301HV

Syringe Type (normal / safety)			
Type	Gauge/Length	IN BOX	OUT BOX
1cc	26G ½"	100EA	1200EA / 100EA
3cc	23G 1" / 24G 1"	100EA	1200EA / 100EA
5cc	21G 1" / 23G 1"	100EA	1200EA / 100EA
10cc	19G 1" / 21G 1" / 23G 1"	100EA	1200EA / 100EA
20cc	19G 1" / 21G 1" / 23G 1"	50EA	800EA / 50EA
30cc	19G 1" / 21G 1" / 23G 1"	50EA	800EA / 50EA
50cc	19G 1" / 21G 1" / 23G 1"	25EA	400EA / 25EA

Manufacturing Permission Number : No. 5874

Manufacture Certification Number : No. 17-4810 (all-in-one 5µm, 3µm), No. 17-4874 (Filter-only 5µm, 3µm), No. 18-4462 (All-in-one 1.2µm, 0.2µm)

QCLEAN[®]



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