

Quickclean / Patented Hemostatic Technology

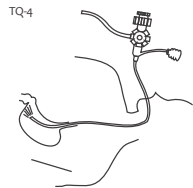
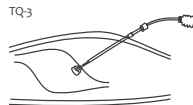
Quickclean Innovative Delivery System



Quickclean innovative applicators are made of medical polymer materials and have good biocompatibility, can provide smooth and precise delivery of the Quickclean MPH Absorbable Hemostatic Particles to bleeding surgical sites.

TQ-1 (14cm tube length) and TQ-2 (38cm tube length) with CE mark are designed for open surgical procedures or endoscopic / laparoscopic surgical procedures.

TQ-3 (25cm tube length) and TQ-4 (2m catheter length) are dedicated applicators for endoscopic/laparoscopic surgical procedures.



Certificate and Global Network

Quickclean MPH Absorbable Hemostatic Particles and Applicator obtained a patent certificate issued by State Intellectual Property Office of China respectively in 2006 and 2014. The Absorbable Hemostatic Particles, honored as "Zhejiang High-Quality Manufactured Products" and "Zhejiang Excellent Industrial Products", got the Ingenuity Award in China Manufacturing Excellence & Innovation Awards 2019.

Quickclean is CE marked and registered in many major international markets, like Korea, Mexico, Peru and Panama.



Hangzhou Singclean Medical Products Co., Ltd.
No. 125(E), 10th Street, Hangzhou Qiantang New Area,
Zhejiang, China
Office : (+86) 0571 63431868-8042
Fax : (+86) 0571 63431886
www.singclean.net www.singclean.org



Patented Hemostatic Technology

Quickclean

MPH Absorbable Hemostatic Particles



Plant Based-100% Absorbable - Safe - Effective - Easy to Use

Singclean Medical

Quickclean / Patented Hemostatic Technology

Quickclean MPH Absorbable Hemostatic Particles

Quickclean Microporous Polysaccharide Hemospheres (MPH) Absorbable Hemostatic Particles are prepared with potato starch as raw material using the emulsification and crosslinking technology. It can absorb and lock water several times over weighting themselves instantly to form gels with hydrophilic molecular sieve properties.

Indications for Use

Quickclean MPH Absorbable Hemostatic Particles is applied to surgical wound site as an absorbable hemostat to stop bleeding in capillary, vein and small arteries when conventional procedures like ligature, pressure don't work. Quickclean can successfully stop bleeding in seconds. Specific time is dependent on the amount applied and the site being treated.

Quickclean
Safe / Effective / Easy to Use

100% Plant Based
No components of animal or human origin, reducing the risks of foreign body reaction and infection

No Residue
Quickclean will be degraded into maltose and glucose by amylase and α -glucoside, and finally become water and carbon dioxide. It can be fully absorbed within 14 days.

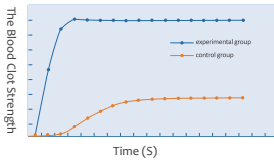
Double hemostasis-mechanical plugging, accelerate endogenous clotting mechanism

Dual Action Mechanism
Ultra-hydrophilic nature enhances and accelerates the clotting cascade, coupled with the formation of a gelled matrix, which forms a mechanical barrier to bleeding

Easy
to apply to various irregular and complex wound

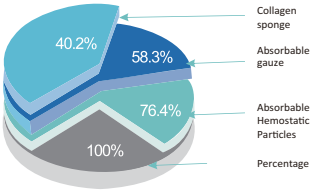
No
prep or special storage requirements-ease of use

Blood clot strength is 2-3 times as physiological blood clot



Data Comparison to Reach the Highest Blood Clot Strength		
Group	Time Required (S)	Blood Clot Strength MA Value (mm)
Experimental Group	3	68±17
Control Group	10	27±15

Success Rate of Hemostasis in 3 Mins is Higher Than Other Hemostats



Dosage
Maximum dosage shall not exceed 5g per person each time.

Shelf Life
3 years.

Specifications

0.5g/piece, 1.0g/piece, 2.0g/piece, 3.0g/piece, 5.0g/piece

Brand	Model No.	Specifications
Quickclean	QC-0.5	0.5g / piece
	QC-1.0	1.0g / piece
	QC-2.0	2.0g / piece
	QC-3.0	3.0g / piece
	QC-5.0	5.0g / piece

Fields of Application

- Cardiovascular surgery
- Thoracic surgery
- Hepatobiliary surgery
- Bone surgery
- General surgery
- Burn surgery
- Plastic surgery
- Cosmetic surgery
- ENT surgery



Adrenal Tumor Resection Surgery

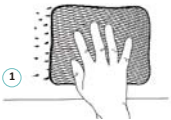


Surgery for Esophageal Cancer

Tips

- (1) Dosage: Generally each gram Quickclean hemostatic powder can treat 15cm² surgery wound place, average thickness 1mm.
- (2) For bleeding and reducing postoperative drainage, clean the postoperative wound fluid, spray the Quickclean in small amount and evenly according to the surgery closing levels and sequence.

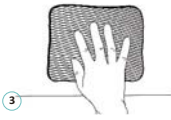
Application Technique



Remove excess blood using a plastic sponge or gauze to expose the bleeding sites.



Apply Quickclean powder to the wound immediately, fully covering the wound area.



Press on the wound with a dry gauze for 2-3 minutes.



Irrigate excess powder once bleeding has stopped and remove the gauze. If bleeding or oozing continues, repeat the above methods