

Application of QuikClot ACS™

Adsorbent Hemostatic Agent

Controls moderate to severe blood loss by promoting coagulation



Manufactured by
Z-Medica
www.z-medica.com

QuikClot ACS™
Advanced Clotting Sponge

QuikClot ACS™ *Hemostatic Agent...for emergency response*

What is QuikClot ACS™, how does it work, and why use it?

- **QuikClot ACS™** acts as a selective sponge. It is chemically inert and works from physical, not chemical, action. QuikClot ACS™ does not absorb into the body but is safe to leave in the wound for as long as necessary. **Fluid molecules are adsorbed by the QuikClot ACS™ material.** This causes rapid localized coagulation and the formation of a stable blood clot in a variety of wounds.
- **QuikClot ACS™ is typically used upon determination that conventional methods have been inadequate to stop bleeding.**



*QuikClot ACS™ can get **Hot***

- If used incorrectly, there is the potential to cause a second degree burn.
- The heat is not the mechanism of action, adsorption of fluids is.
- Has been issued to every US Marine ground combatant.
- Life saving intervention.



Training

How to use QuikClot ACS™



Use Conventional Methods First

- **Apply tourniquet, if appropriate.**
- **Cut clothing from area**
- **Open sterile gauze pack, or locate the best available substitute.**



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Apply Compression Bandage or Direct Pressure

- Pack wound with the gauze roll
- Place absorbent pad of the pressure dressing over gauze and wound.
- If no compression bandage is available, maintain manual pressure with hand over gauze or wrap with available bandage.



Compression Bandage

- Wrap wound with compression bandage. If no compression bandage is available, just hold pressure with gauze or use available bandage.
- Maintain pressure, manually or with compression bandage for about three minutes. If bleeding has stopped and no tourniquet was used, keep wound wrapped and seek medical treatment.



Hemostatic Agent Application?

- **If tourniquet was used, slowly loosen tourniquet. If rebleeding occurs, tighten tourniquet until you regain control of the hemorrhage.**
- **Once you are able to gain control or slowing of the blood flow occurs, follow the steps for application of QuikClot ACS™.**



APPLICATION OF QUIKCLOT ACS™

- **Tear open packet of QuikClot ACS™.**
- **Remove pressure dressing and gauze from wound wiping any excess pooled blood, preserving any clots already in the wound if possible.**



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APPLICATION OF QUIKCLLOT

- Pack enough bags of QuikClot ACS™ into the wound to cover the injury.



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Reapply Pressure!

- Pack wound with the gauze roll
- Manual pressure for three minutes is best, then apply pressure dressing, remembering to keep the gauze between your hand and the QuikClot ACS™.
- If situation does not allow for manual pressure, apply pressure dressing directly over the roll of gauze.



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Casualty Movement

- Do not remove bandage or QuikClot ACS™.
- If you are able to loosen tourniquet with no re-bleeding, do so and leave it around the patient's limb.
- Seek professional medical care as soon as possible.
- Make sure empty pack is attached to or sent with casualty- removal instructions are on the back of QuikClot ACS™ pack.



Remember-

CAUTION:

- **Exothermic reaction possible** if water (not blood) is not wiped from wound. As QuikClot ACS™ adsorbs fluid molecules, energy in the form of heat can be released. This temperature spike is very short in duration.
- **The thermal increase is directly proportional to the ratio of QuikClot ACS™ to the volume of blood.** Use as few bags as you can.
- **Do not ingest.**

