Application of QuikClot ACS™
Adsorbent Hemostatic Agent
Controls moderate to severe blood loss by promoting coagulation

Manufactured by Z-Medica
www.z-medica.com
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.
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.
APPLICATION OF QUIKCLOT

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