

ATHLETIC COMMISSION

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NEW YORK STATE ATHLETIC COMMISSION APPROVED LIST OF COAGULANTS AND ADJUVANTS

The New York State Athletic Commission (NYSAC) approves the discretionary use of coagulants and adjuvants to stop bleeding from minor cuts and lacerations sustained by a combatant.

The following is the list of coagulants and adjuvants are approved for use:

Adrenalin Chloride 1:1000 (Epinephrine Chloride) - is a clear liquid that is usually dispensed in a dark bottle because it is adversely affected by light. It is a potent vasoconstrictor which helps constrict torn blood vessels and decreases flow of blood. It is almost tasteless and very little is absorbed through the cut. It is usually applied by Q-tip to a cut or inside of a bleeding nose.

- Adrenaline/Epinephrine is approved for topical use only in the concentration listed (1:1000).
- Use is restricted to control of bleeding from minor cuts and lacerations.
- In case of a nosebleed, it may be applied to the inside of the nose by a cotton swab.
- In no situation should it be used in the nose without visible signs of blood.
- It is never to be inhaled.
- When inhaled adrenaline chloride has the potential to provide performance enhancing effect resulting in an unfair competitive advantage. Its use in this fashion may constitute grounds for disqualification of the combatant.

Avitene - is a microfibrillar collagen hemostat (agent that stops bleeding). When applied to a cut, it speeds up the collection of platelets, to form a clot. It is usually dispensed either in white powder form or white thin sheets of cloth like material. When applied to a bleeding surface it helps platelets adhere and form a clot.

- Avitene is approved for topical use only.
- Avitene is stable at room temperature and is not light sensitive.
- Avitene comes in two forms, either flour (powder) or in a sponge form.
- To apply an Avitene sponge, simply remove it from its wrapper and apply it with pressure to the cut.
- Avitene in flour form may be applied directly to the cut or mixed with 0.5% saline solution and applied with direct pressure using a cotton swab.



Thrombin (Thromboplastin) - it works on fibrinogen (a protein present in blood plasma that is essential for coagulation of blood). Excessive blood must be removed prior to its usage. It must be used fresh. If stored for long periods of time, it becomes useless. It needs refrigeration. The liquid is applied directly to cut.

- Thrombin is approved for topical use only.
- Thrombin is either bovine (cow) or human derived and available in a powder or liquid form.

Qwick-AID® - manufactured by Qwick-AID Sports is a hemostatic application which halts capillary and vascular bleeding with reported additional benefits for extended wound management. This sterile bandage is made of all-natural composite textile and uses a patented technology with a specially formulated first layer that arrests bleeding and a second layer which helps evacuate discharge from the wound. It does not stick to the wound and is available over the counter (does not need prescription from a physician).

- Qwick-AID is approved for topical use.
- Qwick-AID is available in a 2"x2" size for treating trauma related wounds.
- To apply Qwick-AID, simply remove it from its wrapper and apply it with pressure to the cut.

To ensure that there is no cross contamination with another vasoconstrictor and to prevent the spread of blood borne infections such us as hepatitis and HIV, NYSAC approves the use of the above coagulants only in unexpired single dose unopened (sealed) vials. Use of multidose vials is not allowed by the NYSAC. Use of pre-opened vials and expired vials is not permitted under any circumstance by the NYSAC. Use of pre-opened Qwick-AID is not permitted by the NYSAC.