

Solano County Health & Social Services Department

Mental Health Services
Public Health Services
Substance Abuse Services
Older & Disabled Adult Services



Eligibility Services
Employment Services
Children's Services
Administrative Services

Gerald Huber, Director

EMERGENCY MEDICAL SERVICES AGENCY

Aaron Bair, MD, MS
EMS Agency Medical Director

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Ted Selby
EMS Agency Administrator

Date: February 16, 2016
To: Advanced Life Support (ALS) Providers
From: Aaron Bair, MD, MS, EMS Agency Medical Director
Subject: Epinephrine 1:10,000 Concentration

The Solano County Emergency Medical Services (EMS) Agency is aware of the national and local shortage of Epinephrine 1:10,000 concentration. The EMS Agency and Physician's Forum has developed a short term solution to this issue: dilution of Epinephrine 1:1000 concentration. Once the Epinephrine is diluted it can be used in the same protocols as Epinephrine 1:10,000.

In order to dilute Epinephrine 1:1000 it must be preservative free. In general the ampules are preservative free. Multi-dose vials of Epinephrine are not preservative free and should not be used for the dilution procedure.

The procedure for dilution of Epinephrine 1:1000 is described below.

1. Ensure the Epinephrine 1:1000 is preservative free;
2. Draw 1ml of Epinephrine 1:1000 into a 10 ml syringe;
3. Using the same 10 ml syringe, draw 9 ml of preservative free normal saline and agitate the solution;
4. The solution in the 10 ml syringe contains 1 mg of Epinephrine 1:10,000.

Sincerely,


Aaron Bair, MD, MS
EMS Agency Medical Director