

SAN LUIS OBISPO COUNTY EMERGENCY MEDICAL SERVICES AGENCY  
PREHOSPITAL POLICY

Policy Reference No: 112  
Effective Date: 06/21/2010  
Supersedes: 02/01/2004  
Review Date: 10/01/2012

SUBJECT: ADVANCED LIFE SUPPORT AMBULANCE EQUIPMENT AND SUPPLY

PURPOSE

To establish the minimum equipment and supplies to be available on ALS ambulances for prehospital response in San Luis Obispo County. The equipment and supply requirements are absolute minimums and agencies are encouraged to maintain sufficient supplies to meet their specific needs.

AUTHORITY

- A. California Health and Safety Code, Division 2.5, Sections 1797.204, 1797.206 and 1797.220.
- B. California Code of Regulations, Title 22, Section 100167 (a) 3.

DEFINITIONS

ALS Ambulance: A transporting ALS unit equipped with ALS personnel and equipment approved by the San Luis Obispo County EMS Agency.

POLICY

In addition to basic California Highway Patrol (CHP) requirements, ALS ambulances authorized to operate in San Luis Obispo County shall, at a minimum, have the following equipment and supplies available in the unit.

## ALS Ambulance Equipment and Supply

### **SUPPLIES**

#### **Oxygen/Airway**

Nasopharyngeal airways (soft rubber) Medium and Large adult sizes	2 each
Oropharyngeal airways (sizes 5.5 – 12 or equivalent)	2 each
Adult non-rebreather masks	2
Pediatric/infant non-rebreather mask	2
Adult nasal cannula	4
D or E size cylinder with regulator capable of delivering 2-15 liters per minute	1
M, H, or K cylinder with wall outlet(s) and constant flow regulator(s)	1
Oxygen reserve: D or E cylinders	1
Resuscitation equipment and supplies: Face masks for resuscitation (clear) Adult	2
Pediatric	2
Bag-valve mask with O <sub>2</sub> reservoir and supply tubing Adult	1
Pediatric	1
Infant	1
Suction equipment and supplies: Rigid pharyngeal tonsil tip	2
Spare suction tubing	1
Suction apparatus (portable)	1
Suction catheters Two each of at least 2 sizes suitable for adult and pediatric endotracheal suctioning	2 each
Suction bulb - 3 oz capacity	1

#### **Trauma**

Bandages and bandaging supplies: 4"x4" sterile bandage compresses or equivalent	12
Trauma dressing 10"x30" or larger universal dressing	2
3 or 4" roller gauze	12 rolls
1, 2, or 3" cloth adhesive tape	1 roll
Triangular bandages with safety pins	4
Vaseline gauze (3"x8", or 5"x9")	2
Tongue blade or bite stick	2
Burn Sheets (sterile) – may be disposable or linen (with date of sterilization indicated)	2

## ALS Ambulance Equipment and Supply

Cervical collars:	1 each
Stiff: Sizes to fit all patients over one year old	
Cold packs	2
Irrigation equipment and supplies:	
Saline, sterile: 1,000cc	2
Long spine board and light weight head immobilizer blocks (or equivalent immobilization device)	2
Straps to secure patient to boards	2 sets
Splints, traction	
Adult and pediatric	1 each
(A single device suitable for both is acceptable)	
Splints, cardboard or equivalent	
18" arm splint	2
36" leg splint	2
K.E.D. or equivalent	1
Pediatrics spinal immobilization board (or equivalent immobilization device)	1

### **Infection Control**

Long-sleeved impermeable gowns	3
Disinfectant solution or spray	1 bottle
Portable hand cleansing agent with microbial properties	1 dispenser
Infectious waste bags	2
Eye protection - goggles or full-face shield	2
Latex free gloves	1 box
Disposable Surgical type masks	2
Disposable N95 respirators or equivalent minimum one per crew member	2

### **Transportation Equipment**

Collapsible gurney cot with adjustable contour feature	1
Stair chair or equivalent device	1
Sheets, pillow, pillow case, towels, blankets (cloth or disposable)	2
Scoop stretcher with straps	1
Flat vinyl/canvas stretchers with straps	2

ALS Ambulance Equipment and Supply

**Miscellaneous**

Blood pressure cuffs (portable):	
Adult	1
Large adult or thigh	1
Pediatric	1
Obstetrical kit - sterile, prepackaged	1
Restraints - non-constricting wrist and ankle	1 set each
Stethoscope	1
Trash bags/receptacles	2
Bandage scissors (heavy duty)	1
Emesis basins or emesis bags with containers	2
Water, potable	1 liter
Maps, entire county	1
Penlight	1
Triage tags	20
Bed pan	1
Urinal	1
Thermometer	1

ALS Ambulance Equipment and Supply

**MEDICATIONS**

<u>Drug</u>	<u>Dosage</u>	<u>Amount</u>
Activated Charcoal	50 gm bottle (aqueous solution)	1
Adenosine	6.0 mg/2cc	5
Albuterol Unit Dose	2.5 mg/3 cc solution	4
Aspirin, Bottle	81 mg nonenteric-coated chewable	1
Atropine	1 mg/10 cc	8
Atropine	8 mg multi-dose vial	3
Calcium Chloride 10%	1 gm/10 cc	1
Dextrose 50%	25 gm/50 cc	2
Diazepam 10 mg		2
Diphenhydramine	50 mg/1 cc or 50 mg/10cc	2
Dopamine	400 mg in 250 cc 5% normal saline or 400 mg vials (400mg/10cc)	1
Epinephrine	1:1,000 1 mg/1 cc (10 cc vial/ampule)	4
Epinephrine	1:10,000 1 mg/10 cc (10 cc preload)	8
Furosemide	40 mg unit dose	4
Glucagon	1 mg/1cc	1
Glucose paste	15 gm	2 tubes
Lidocaine 2%	100 mg/ 5cc	6
** Mark I Kits		6
Morphine	10 mg	3
Naloxone	0.4 mg/1cc (4mg/10cc vial) or equivalent	2
Nitroglycerine		
SL or Nitrospray	0.4 mg/bottle of 20 tablets or equivalent	2
Nitro Paste 2%	1 gm single dose packet	5
Sodium Bicarbonate	50 mEq/50cc	2

**Because variations in medication supply occur, equivalent total dosage quantities may be substituted.**

\*\* Optional Emergency Medical Services Agency suggested equipment

ALS Ambulance Equipment and Supply

**IV SOLUTIONS/EQUIPMENT**

0.9% Normal Saline	250 cc bag	1
0.9% Normal Saline	1,000 cc bag	6
IV Tubing	60gtt/cc	4
IV Tubing	0-20gtt/cc	8
IV catheters	Sizes 14, 16, 18, 20, 22, 24 gauge	2 each
Syringes	Assorted	
	- 1cc, 3cc, 6cc-20cc	minimum of 2 each
Needles Assorted	- 1/2", 1", 1 1/2" - 18-30 gauge	minimum of 2 each
Intraosseous (IO) single needle device (FDA approved) adult and pediatric		1 each
Saline locks		4
Alcohol and betadine swabs		10 each
Visual or electronic colorimetry blood glucose analyzer with appropriate supplies		1

## ALS Ambulance Equipment and Supply

### **EQUIPMENT**

#### **Airway**

Endotracheal tubes: sizes 2.5, 3.0, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9	1 each
Laryngoscope handles, with extra batteries	2
Laryngoscope blades: Miller # 0, 1, 2, 3, 4 Macintosh # 1, 2, 3, 4	1 each
Adult and pediatric stylets	2 each
Magill forceps (pediatric and adult)	1 each
10-20 cc syringe, sterile lubricant	2 each
Needle Cricothyrotomy kit with: 10 or 12 ga needle, 10-20 cc syringe, alcohol and betadine wipes, oxygen supply adapter	1
Capnography device - qualitative or quantitative	1
Hand held nebulizer for inhalation therapy	2
Medrafter or equivalent	1
Portable, battery powered, cardiac monitor-defibrillator with 12-lead ECG capability with the ability to perform computerized ECG readings and provide hard copy ECG tracings with:	1
Patient ECG cable	1
ECG recording chart paper	1 roll
Adult ECG electrodes	4 sets
Adult and pediatric	
Defibrillation pads or equivalent	1 set each
Conductive defibrillation pads, or tubes of conductive gel	4 2
10 gauge/3 inch IV catheter for pleural decompression	2
Asherman chest seal or equivalent open wound dressing	1
Pulse oximeter	1
Continuous Positive Airway Pressure (CPAP) Ventilator portable/adjustable pressure settings, FDA Approved with an oxygen supply	1