

Anesthesia and MAC Sedation in Adults
The following estimates of adverse events for DIPRIVAN include data from clinical trials in general anesthesia/MAC sedation (N=2889 adult patients). The adverse events listed below as probably causally related are those events in which the actual incidence rate in patients treated with DIPRIVAN was greater than the comparator incidence rate in these general trials. Therefore, incidence rates for anesthesia and MAC sedation in adults generally represent estimates of the percentage of clinical trial patients which appeared to have probable causal relationship.

The adverse experience profile from reports of 150 patients in the MAC sedation clinical trials is similar to the profile established with DIPRIVAN during anesthesia (see below). During MAC sedation clinical trials, significant respiratory events included cough, upper airway obstruction, apnea, hypoventilation, and dyspnea.

Anesthesia in Pediatric Patients
Generally the adverse experience profile from reports of 506 DIPRIVAN pediatric patients from 6 days through 16 years of age in the US/Canadian anesthesia clinical trials is similar to the profile established with DIPRIVAN during anesthesia in adults (see Pediatric percentages [Peds %] below). Although not reported as an adverse event in clinical trials, apnea is frequently observed in pediatric patients.

ICU Sedation in Adults
The following estimates of adverse events include data from clinical trials in ICU sedation (N=159 adult patients). Probably related incidence rates for ICU sedation were determined by individual case report form review. Probable causality was based upon an apparent dose response relationship and/or positive responses to rechallenge. In many instances the presence of concomitant disease and concomitant therapy made the causal relationship unknown. Therefore, incidence rates for ICU sedation generally represent estimates of the percentage of clinical trial patients which appeared to have a probable causal relationship.

Incidence greater than 1% - Probably Causally Related

Cardiovascular:	Anesthesia/MAC Sedation	ICU Sedation
	Bradycardia	Bradycardia
	Arrhythmia [Peds: 1.2%]	
	Tachycardia [Peds: 1.6%]	
	Hypotension* [Peds: 17%] (see also CLINICAL PHARMACOLOGY)	Decreased Cardiac Output
	Hypertension [Peds: 8%]	Hypertension 26%
Central Nervous System:	Movement* [Peds: 17%]	
Injection Site:	Burning/Stinging or Pain, 17.6% [Peds: 10%]	
Metabolic/ Nutritional:		Hyperperemia*
Respiratory:	Apnea (see also CLINICAL PHARMACOLOGY)	Respiratory Acidosis During Weaning*
Skin and Appendages:	Flash [Peds: 5%] Pruritus [Peds: 2%]	
Body as a Whole:	Anaphylaxis/Anaphylactoid Reaction Perinatal Disorder Tachycardia Bigeminy Bradycardia Premature Ventricular Contractions Hemorrhage ECG Abnormal Arrhythmia Atrial Fever Extremities Pain Anticholinergic Syndrome	
Cardiovascular:	Premature Atrial Contractions Syncope	
Central Nervous System:	Hypertonia/Dystonia, Paresthesia	Agitation
Digestive:	Hypersalivation Nausea	
Hemic/Lymphatic:	Leukocytosis	
Injection Site:	Phlebitis Pruritus	
Metabolic:	Hypomagnesemia	
Musculoskeletal:	Myalgia	
Nervous:	Dizziness Agitation Chills Somnolence Delirium	
Respiratory:	Wheezing Cough Laryngospasm Hypoxia	Decreased Lung Function
Skin and Appendages:	Flushing, Pruritus	
Special Senses:	Amblyopia Vision Abnormal	
Urogenital:	Cloudy Urine	Green Urine

*Events without an * or % had an incidence of 1% to 3%
*Incidence of events 3% to 10%

For minor surgical procedures (e.g., body surface) nitrous oxide (60% to 70%) can be combined with a variable rate DIPRIVAN infusion to provide satisfactory anesthesia. With more stimulating surgical procedures (e.g., intra-abdominal), or if supplementation with nitrous oxide is not provided, administration rate(s) of DIPRIVAN and/or opioids should be increased in order to provide adequate anesthesia.

Infusion rates should always be titrated downward in the absence of clinical signs of light anesthesia until a mild response to surgical stimulation is obtained in order to avoid administration of DIPRIVAN at rates higher than are clinically necessary. Generally, rates of 50 mcg/kg/min to 100 mcg/kg/min in adults should be achieved during maintenance in order to optimize recovery times.

Other drugs that cause CNS depression (e.g., sedatives, anesthetics, and opioids) can increase CNS depression induced by propofol. Morphine premedication (0.15 mg/kg) with nitrous oxide 67% in oxygen has been shown to decrease the necessary propofol injection maintenance infusion rate and therapeutic blood concentrations when compared to non-narcotic (lorazepam) premedication.

Induction of General Anesthesia

Adult Patients
Most adult patients under 55 years of age and classified as ASA-PS I or II require 2.5 mg/kg to 3.5 mg/kg of DIPRIVAN for induction when unpremedicated or when premedicated with oral benzodiazepines or intramuscular opioids. For induction, DIPRIVAN should be titrated (approximately 40 mg every 10 seconds) against the response of the patient until the clinical signs show the onset of anesthesia. As with other general anesthetics, the amount of intravenous opioid and/or benzodiazepine premedication will influence the response of the patient to an induction dose of DIPRIVAN.

Elderly, Debilitated, or ASA-PS III or IV Patients

It is important to be familiar and experienced with the intravenous use of DIPRIVAN before treating elderly, debilitated, or ASA-PS III or IV patients. Due to the reduced clearance and higher blood concentrations, most of these patients require approximately 1 mg/kg to 1.5 mg/kg (approximately 20 mg every 10 seconds) of DIPRIVAN for induction of anesthesia according to their condition and responses. A rapid bolus should not be used, as this will increase the likelihood of undesirable cardiorespiratory depression including hypotension, apnea, airway obstruction, and/or oxygen desaturation (see **DOSE AND ADMINISTRATION**).

Pediatric Patients

Most pediatric patients aged 3 years through 16 years and classified ASA-PS I or II require 2.5 mg/kg to 3.5 mg/kg of DIPRIVAN for induction when unpremedicated or when lightly premedicated with oral benzodiazepines or intramuscular opioids. Within this dosage range, younger pediatric patients may require higher induction doses than older pediatric patients. As with other general anesthetics, the amount of intravenous opioid and/or benzodiazepine premedication will influence the response of the patient to an induction dose of DIPRIVAN. A lower dosage is recommended for pediatric patients classified as ASA-PS III or IV. Attention should be paid to minimize pain on injection when administering DIPRIVAN to pediatric patients. Boluses of DIPRIVAN may be administered via small veins if pretreated with lidocaine or via antecubital or larger veins (see **PRECAUTIONS, General**).

Neurosurgical Patients

Slower induction is recommended using boluses of 20 mg every 10 seconds. Slower boluses or infusions of DIPRIVAN for induction of anesthesia, titrated to clinical responses, will generally result in reduced induction dosage requirements (1 mg/kg to 2 mg/kg) (see **PRECAUTIONS** and **DOSE AND ADMINISTRATION**).

Cardiac Anesthesia

DIPRIVAN has been well-studied in patients with coronary artery disease, but experience in patients with hemodynamically significant valvular or congenital heart disease is limited. As with other general anesthetics and sedation drugs, DIPRIVAN in healthy patients causes a decrease in blood pressure that is secondary to decreases in preload (ventricular filling volume at the end of the diastole) and afterload (arterial resistance at the beginning of the systole). The magnitude of these changes is proportional to the blood and effect site concentrations achieved. These concentrations depend upon the dose and speed of the induction and maintenance infusion rates.

In addition, lower heart rates are observed during maintenance with DIPRIVAN, possibly due to reduction of the sympathetic activity and/or resetting of the baroreceptor reflexes. Therefore, anticholinergic agents should be administered when increases in vagal tone are anticipated.

As with other anesthetic agents, DIPRIVAN reduces myocardial oxygen consumption. Further studies are needed to confirm and delineate the extent of these effects on the myocardium and the coronary vascular system.

Morphine premedication (0.15 mg/kg) with nitrous oxide 67% in oxygen has been shown to decrease the necessary DIPRIVAN maintenance infusion rates and therapeutic blood concentrations when compared to non-narcotic (lorazepam) premedication. The rate of DIPRIVAN administration should be determined based on the patient's premedication and adjusted according to clinical responses.

A rapid bolus induction should be avoided. A slow rate of approximately 20 mg every 10 seconds until induction onset (0.5 mg/kg to 1.5 mg/kg) should be used. In order to assure adequate anesthesia, when DIPRIVAN is used as the primary agent, maintenance infusion rates should not be less than 100 mcg/kg/min and should be supplemented with analgesic levels of continuous opioid administration. When an opioid is used as the primary agent, DIPRIVAN maintenance rates should not be less than 50 mcg/kg/min, and care should be taken to ensure amnesia. Higher doses of DIPRIVAN will reduce the opioid requirements (see Table 4). When DIPRIVAN is used as the primary anesthetic, it should not be administered with the high-dose opioid technique as this may increase the likelihood of hypotension (see **PRECAUTIONS, Cardiac Anesthesia**).

Incidence less than 1% - Causal Relationship Unknown

	Anesthesia/MAC Sedation	ICU Sedation
Body as a Whole:	Asthenia, Awareness, Chest Pain, Extremities Pain, Fever, Increased Drug Effect, Neck Rigidity/ Stiffness, Trunk Pain	Fever, Sepsis, Trunk Pain, Whole Body Weakness
Cardiovascular:	Arrhythmia, Atrial Fibrillation, Atrioventricular Heart Block, Bigeminy, Bleeding, Bundle Branch Block, Cardiac Arrest, ECG Abnormal, Edema, Extrasystole, Heart Block, Hypertension, Myocardial Infarction, Myocardial Ischemia, Premature Ventricular Contractions, ST Segment Depression, Supraventricular Tachycardia, Tachycardia, Ventricular Fibrillation	Arrhythmia, Atrial Fibrillation, Bigeminy, Cardiac Arrest, Extrasystole, Right Heart Failure, Ventricular Tachycardia
Central Nervous System:	Abnormal Dreams, Agitation, Amorous Behavior, Anxiety, Bucking/Jerking/Thrashing, Chills/Shivering/Clinic/Myoclonic Movement, Combativeness, Confusion, Delirium, Depression, Dizziness, Emotional Lability, Euphoria, Fatigue, Hallucinations, Headache, Hypotonia, Hysteria, Insomnia, Moaning, Neuroptahy, Opiatholones, Rigidly, Seizures, Somnolence, Tremor, Twitching	Chills/Shivering, Intracranial Hypertension, Seizures, Somnolence, Thinking Abnormal
Digestive:	Cramping, Diarrhea, Dry Mouth, Enlarged Parotid, Nausea, Swallowing, Vomiting	Ileus, Liver Function Abnormal
Hematologic/ Lymphatic:	Coagulation Disorder, Leukocytosis	
Injection Site:	Hives/Itching, Phlebitis, Redness/Discoloration	
Metabolic/ Nutritional:	Hyperkalemia, Hyperlipemia	BUN Increased, Creatinine Increased, Dehydration, Hyperglycemia, Metabolic Acidosis, Osmolality Increased
Respiratory:	Cramping, Diarrhea, Dry Mouth, Cough, Dyspnea, Hiccough, Hyperventilation, Hypoventilation, Hypoxia, Laryngospasm, Pharyngitis, Sneezing, Tachypnea, Upper Airway Obstruction	Hypoxia
Skin and Appendages:	Conjunctival Hyperemia, Diaphoresis, Urticaria	Rash
Special Senses:	Diplopia, Ear Pain, Eye Pain, Nystagmus, Taste Perversion, Tinnitus	
Urogenital:	Oliguria, Urine Retention	Kidney Failure

DRUG ABUSE AND DEPENDENCE:

There are reports of the abuse of propofol for recreational and other improper purposes, which have resulted in fatalities and other injuries. Instances of self-administration of DIPRIVAN by health care professionals have also been reported, which have resulted in fatalities and other injuries. Inventories of DIPRIVAN should be stored and managed to prevent the risk of diversion, including restriction of access and accounting procedures as appropriate to the clinical setting.

OVERDOSAGE:

If overdosage occurs, DIPRIVAN administration should be discontinued immediately. Overdosage is likely to cause cardiorespiratory depression. Respiratory depression should be treated by artificial ventilation with oxygen. Cardiovascular depression may require repositioning of the patient by raising the patient's legs, increasing the flow rate of intravenous fluids, and administering pressor agents and/or anticholinergic agents.

DOSE AND ADMINISTRATION:

Propofol blood concentrations at steady-state are generally proportional to infusion rates, especially in individual patients. Undesirable effects such as cardiorespiratory depression are likely to occur at higher blood concentrations which result from bolus dosing or rapid increases in the infusion rate. An adequate interval (3 minutes to 5 minutes) must be allowed between dose adjustments to allow for and assess the clinical effects.

Shake well before use. Do not use if there is evidence of excessive creaming or aggregation, if large droplets are visible, or if there are other forms of phase separation indicating that the stability of the product has been compromised. Slight creaming, which should disappear after shaking, may be visible upon prolonged standing.

When administering DIPRIVAN by infusion, syringe or volumetric pumps are recommended to provide controlled infusion rates. When infusing DIPRIVAN to patients undergoing magnetic resonance imaging, metered control devices may be utilized if mechanical pumps are impractical.

Changes in vital signs indicating a stress response to surgical stimulation or the emergence from anesthesia may be controlled by the administration of 25 mg (2.5 mL) to 50 mg (5 mL) incremental boluses and/or by increasing the infusion rate of DIPRIVAN.

usual adult dosage in these patients according to their condition, responses, and changes in vital signs (see **DOSE AND ADMINISTRATION**).

Maintenance of MAC Sedation

For maintenance of sedation, a variable rate infusion method is preferable over an intermittent bolus dose method. With the variable rate infusion method, patients will generally require maintenance rates of 25 mcg/kg/min to 75 mcg/kg/min (1.5 mg/kg/h to 4.5 mg/kg/h) during the first 10 minutes to 15 minutes of sedation maintenance. Infusion rates should subsequently be decreased over time to 25 mcg/kg/min to 50 mcg/kg/min and adjusted to clinical responses. In titrating to clinical effect, allow approximately 2 minutes for onset of peak drug effect.

Infusion rates should always be titrated downward in the absence of clinical signs of light sedation until mild responses to stimulation are obtained in order to avoid sedative administration of DIPRIVAN at rates higher than are clinically necessary.

If the intermittent bolus dose method is used, increments of DIPRIVAN 10 mg (1 mL) or 20 mg (2 mL) can be administered and titrated to desired clinical effect. With the intermittent bolus method of sedation maintenance, there is increased potential for respiratory depression, transient increases in sedation depth, and prolongation of recovery.

In the elderly, debilitated, or ASA-PS III or IV patients, rapid (single or repeated) bolus dose administration should not be used for MAC sedation (see **WARNINGS**). The rate of administration and the dosage of DIPRIVAN should be reduced to approximately 80% of the usual adult dosage in these patients according to their condition, responses, and changes in vital signs (see **DOSE AND ADMINISTRATION**).

DIPRIVAN can be administered as the sole agent for maintenance of MAC sedation during surgical/diagnostic procedures. When DIPRIVAN sedation is supplemented with opioid and/or benzodiazepine medications, these agents increase the sedative and respiratory effects of DIPRIVAN and may also result in a slower recovery profile (see **PRECAUTIONS, Drug Interactions**).

ICU Sedation

(See **WARNINGS** and **DOSE AND ADMINISTRATION, Handling Procedures**)
Abrupt discontinuation of DIPRIVAN prior to weaning or for daily evaluation of sedation levels should be avoided. This may result in rapid awakening with associated anxiety, agitation, and resistance to mechanical ventilation. Infusions of DIPRIVAN should be adjusted to assure a minimal level of sedation is maintained throughout the weaning process and when assessing the level of sedation (see **PRECAUTIONS**).

Adult Patients

For intubated, mechanically ventilated adult patients, Intensive Care Unit (ICU) sedation should be initiated slowly with a continuous infusion in order to titrate to desired clinical effect and minimize hypotension (see **DOSE AND ADMINISTRATION**).

Most adult ICU patients recovering from the effects of general anesthesia or deep sedation will require maintenance rates of 5 mcg/kg/min to 50 mcg/kg/min (0.3 mg/kg/h to 3 mg/kg/h) individualized and titrated to clinical response (see **DOSE AND ADMINISTRATION**). With medical ICU patients or patients who have recovered from the effects of general anesthesia or deep sedation, the rate of administration of 50 mcg/kg/min or higher may be required to achieve adequate sedation. These higher rates of administration may increase the likelihood of patients developing hypotension. Administration should not exceed 4 mg/kg/hour unless the benefits outweigh the risks (see **WARNINGS**).

Dosage and rate of administration should be individualized and titrated to the desired effect, according to clinically relevant factors including the patient's underlying medical problems, preinduction and concomitant medications, age, ASA-PS classification, and level of debilitation of the patient. The elderly, debilitated, and ASA-PS III or IV patients may have exaggerated hemodynamic and respiratory responses to rapid bolus doses (see **WARNINGS**).

DIPRIVAN should be individualized according to the patient's condition and response, blood lipid profile, and vital signs (see **PRECAUTIONS, Intensive Care Unit Sedation**). For intubated, mechanically ventilated adult patients, Intensive Care Unit (ICU) sedation should be initiated slowly with a continuous infusion in order to titrate to desired clinical effect and minimize hypotension. When indicated, initiation of sedation should begin at 5 mcg/kg/min (0.3 mg/kg/h). The infusion rate should be increased by increments of 5 mcg/kg/min to 10 mcg/kg/min (0.3 mg/kg/h to 0.6 mg/kg/h) until the desired level of sedation is achieved. A minimum period of 5 minutes between adjustments should be allowed for onset of peak drug effect. Most adult patients require maintenance rates of 5 mcg/kg/min to 50 mcg/kg/min (0.3 mg/kg/h to 3 mg/kg/h) or higher. Administration should not exceed 4 mg/kg/hour unless the benefits outweigh the risks (see **WARNINGS**). Dosages of DIPRIVAN should be reduced in patients who have received large dosages of narcotics. The DIPRIVAN dosage requirement may also be reduced by adequate management of pain with analgesic agents. As with other sedative medications, there is interpatient variability in dosage requirements, and these requirements may change with time (see **SUMMARY OF DOSAGE GUIDELINES**). Evaluation of level of sedation and assessment of CNS function should be carried out daily throughout maintenance to determine the minimum dose of DIPRIVAN required for sedation (see **Clinical Trials, Intensive Care Unit (ICU) Sedation**). Bolus administration of 10 mg or 20 mg should only be used to rapidly increase depth of sedation in patients where hypotension is not likely to occur. Patients with compromised myocardial function, intravascular volume depletion, or abnormally low vascular tone (e.g., sepsis) may be more susceptible to hypotension (see **PRECAUTIONS**).

SUMMARY OF DOSAGE GUIDELINES:

Dosages and rates of administration in the following table should be individualized and titrated to clinical response. Safety and dosing requirements for induction of anesthesia in pediatric patients have only been established for children 3 years of age or older. Safety and dosing requirements for the maintenance of anesthesia have only been established for children 2 months of age and older.

INDICATION	DOSE AND ADMINISTRATION
Initiation and Maintenance of ICU Sedation in Intubated, Mechanically Ventilated	Adult Patients – Because of the residual effects of previous anesthetic or sedative agents, in most patients the initial infusion should be 5 mcg/kg/min (0.3 mg/kg/h) for at least 5 minutes. Subsequent increments of 5 mcg/kg/min to 10 mcg/kg/min (0.3 mg/kg/h to 0.6 mg/kg/h) over 5 minutes to 10 minutes may be used until desired clinical effect is achieved. Maintenance rates of 5 mcg/kg/min to 50 mcg/kg/min (0.3 mg/kg/h to 3 mg/kg/h) or higher may be required. Administration should not exceed 4 mg/kg/hour unless the benefits outweigh the risks (see WARNINGS).
	Evaluation of clinical effect and assessment of CNS function should be carried out daily throughout maintenance to determine the minimum dose of DIPRIVAN required for sedation.
	The tubing and any unused DIPRIVAN drug product should be discarded after 12 hours because DIPRIVAN contains no preservatives and is capable of supporting growth of microorganisms (see WARNINGS and DOSE AND ADMINISTRATION).
Administration with Lidocaine <p>If lidocaine is to be administered to minimize pain on injection of DIPRIVAN, it is recommended that it be administered prior to DIPRIVAN administration or that it be added to DIPRIVAN immediately before administration and in quantities not exceeding 20 mg lidocaine/200 mg DIPRIVAN.</p>	
Compatibility and Stability <p>DIPRIVAN should not be mixed with other therapeutic agents prior to administration.</p>	
Dilution Prior to Administration <p>DIPRIVAN is provided as a ready-to-use formulation. However, should dilution be necessary, it should only be diluted with 5% Dextrose Injection, USP, and it should not be diluted to a concentration less than 2 mg/mL because it is an emulsion. In diluted form it has been shown to be more stable when in contact with glass than with plastic (95% potency after 2 hours of running infusion in plastic).</p>	
Administration with Other Fluids <p>Compatibility of DIPRIVAN with the coadministration of blood/serum/plasma has not been established (see WARNINGS). When administered using a type I infusion set, DIPRIVAN has been shown to be compatible with the following intravenous fluids:</p> <ul style="list-style-type: none"> - 5% Dextrose Injection, USP - Lactated Ringers Injection, USP - Lactated Plasma and 5% Dextrose Injection - 5% Dextrose and 0.45% Sodium Chloride Injection, USP - 5% Dextrose and 0.2% Sodium Chloride Injection, USP 	
Handling Procedures <p>General Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration whenever solution and container permit.</p> <p>Clinical experience with the use of in-line filters and DIPRIVAN during anesthesia or ICU/MAC sedation is limited. DIPRIVAN should only be administered through a filter with a pore size of 5 micron or greater unless it has been demonstrated that the filter does not restrict the flow of DIPRIVAN and/or cause the breakdown of the emulsion. Filters should be used with caution and where clinically appropriate. Continuous monitoring is necessary due to the potential for restricted flow and/or breakdown of the emulsion.</p> <p>Do not use if there is evidence of separation of the phases of the emulsion.</p> <p>Rare cases of self-administration of DIPRIVAN by health care professionals have been reported, including some fatalities (see DRUG ABUSE AND DEPENDENCE).</p>	

Administration with Lidocaine
If lidocaine is to be administered to minimize pain on injection of DIPRIVAN, it is recommended that it be administered prior to DIPRIVAN administration or that it be added to DIPRIVAN immediately before administration and in quantities not exceeding 20 mg lidocaine/200 mg DIPRIVAN.

Compatibility and Stability
DIPRIVAN should not be mixed with other therapeutic agents prior to administration.

Dilution Prior to Administration
DIPRIVAN is provided as a ready-to-use formulation. However, should dilution be necessary, it should only be diluted with 5% Dextrose Injection, USP, and it should not be diluted to a concentration less than 2 mg/mL because it is an emulsion. In diluted form it has been shown to be more stable when in contact with glass than with plastic (95% potency after 2 hours of running infusion in plastic).

Administration with Other Fluids
Compatibility of DIPRIVAN with the coadministration of blood/serum/plasma has not been established (see **WARNINGS**). When administered using a type I infusion set, DIPRIVAN has been shown to be compatible with the following intravenous fluids:

- 5% Dextrose Injection, USP
- Lactated Ringers Injection, USP
- Lactated Plasma and 5% Dextrose Injection
- 5% Dextrose and 0.45% Sodium Chloride Injection, USP
- 5% Dextrose and 0.2% Sodium Chloride Injection, USP

Handling Procedures
General
Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration whenever solution and container permit.

Clinical experience with the use of in-line filters and DIPRIVAN during anesthesia or ICU/MAC sedation is limited. DIPRIVAN should only be administered through a filter with a pore size of 5 micron or greater unless it has been demonstrated that the filter does not restrict the flow of DIPRIVAN and/or cause the breakdown of the emulsion. Filters should be used with caution and where clinically appropriate. Continuous monitoring is necessary due to the potential for restricted flow and/or breakdown of the emulsion.

Do not use if there is evidence of separation of the phases of the emulsion.

Rare cases of self-administration of DIPRIVAN by health care professionals have been reported, including some fatalities (see **DRUG ABUSE AND DEPENDENCE**).

Strict aseptic technique must always be maintained during handling. DIPRIVAN is a single aseptic parenteral product (single patient infusion vial) which contains 0.005% disodium edetate to inhibit the rate of growth of microorganisms, up to 12 hours, in the event of accidental extrinsic contamination. However, DIPRIVAN can still support the growth of microorganisms as it is not an antimicrobially preservative product under USP standards. Do not use if contamination is suspected. Discard unused drug product as directed within the required time limits. There have been reports in which failure to use aseptic technique when handling DIPRIVAN was associated with microbial contamination of the product and with fever, infection/sepsis, other life-threatening illness, and/or death.

There have been reports, in the literature and other public sources, of the transmission of bloodborne pathogens (such as Hepatitis B, Hepatitis C, and HIV) from unsafe injection practices, and use of propofol vials intended for single use on multiple persons. DIPRIVAN vials are never to be accessed more than once or used on more than one person.

Diprivan, with EDTA inhibits microbial growth for up to 12 hours, as demonstrated by test data for representative USP microorganisms.

Guidelines for Aseptic Technique for General Anesthesia/MAC Sedation
DIPRIVAN must be prepared for use just prior to initiation of each individual anesthetic/sedative procedure. The vial rubber stopper should be disinfected using 70% isopropyl alcohol. DIPRIVAN should be drawn into a sterile syringe immediately after a vial is opened. When withdrawing DIPRIVAN from vials, a sterile vent spike should be used. The syringe should be labeled with appropriate information including the date and time the vial was opened. Administration should commence promptly and be completed within 12 hours after the vial has been opened.

DIPRIVAN must be prepared for single-patient use only. Any unused DIPRIVAN drug product, reservoirs, dedicated administration tubing and/or

For complete dosage information, see **DOSE AND ADMINISTRATION**.

INDICATION	DOSE AND ADMINISTRATION
Induction of General Anesthesia:	Healthy Adults Less Than 55 Years of Age: 40 mg every 10 seconds until induction onset (2 mg/kg to 2.5 mg/kg).
	Elderly, Debilitated, or ASA-PS III or IV Patients: 20 mg every 10 seconds until induction onset (1 mg/kg to 1.5 mg/kg).
	Cardiac Anesthesia: 20 mg every 10 seconds until induction onset (0.5 mg/kg to 1.5 mg/kg).
	Neurosurgical Patients: 20 mg every 10 seconds until induction onset (1 mg/kg to 2 mg/kg).
	Pediatric Patients – healthy, from 3 years to 16 years of age: 2.5 mg/kg to 3.5 mg/kg administered over 20 seconds to 30 seconds. (see PRECAUTIONS, Pediatric Use and CLINICAL PHARMACOLOGY, Pediatrics).
Maintenance of General Anesthesia: Infusion	Healthy Adults Less Than 55 Years of Age: 100 mcg/kg/min to 200 mcg/kg/min (6 mg/kg/h to 12 mg/kg/h).
	Elderly, Debilitated, ASA-PS III or IV Patients: 50 mcg/kg/min to 100 mcg/kg/min (3 mg/kg/h to 6 mg/kg/h).
	Cardiac Anesthesia: Most patients require: Primary DIPRIVAN with Secondary Opioid – 100 mcg/kg/min to 150 mcg/kg/min.
	Low-Dose DIPRIVAN with Primary Opioid – 50 mcg/kg/min to 100 mcg/kg/min. (see DOSE AND ADMINISTRATION, Table 4).
	Neurosurgical Patients: 100 mcg/kg/min to 200 mcg/kg/min (6 mg/kg/h to 12 mg/kg/h).
	Pediatric Patients – healthy, from 2 months of age to 16 years of age: 125 mcg/kg/min to 300 mcg/kg/min (7.5 mg/kg/h to 18 mg/kg/h). Following the first half hour of maintenance, if clinical signs of light anesthesia are not present, the infusion rate should be decreased. (see PRECAUTIONS, Pediatric Use and CLINICAL PHARMACOLOGY, Pediatrics).
Maintenance of General Anesthesia: Intermittent Bolus	Healthy Adults Less Than 55 Years of Age: Increments of 20 mg to 50 mg as needed.
Initiation of MAC Sedation:	Healthy Adults Less Than 55 Years of Age: Slow infusion or slow injection techniques are recommended to avoid apnea or hypotension. Most patients require an infusion of 100 mcg/kg/min to 150 mcg/kg/min (6 mg/kg/h to 9 mg/kg/h) for 3 minutes to 5 minutes or a slow injection of 0.5 mg/kg over 3 minutes to 5 minutes followed immediately by a maintenance infusion.
	Elderly, Debilitated, Neurosurgical, or ASA-PS III or IV Patients: Most patients require dosages similar to healthy adults. Rapid boluses are to be avoided (see WARNINGS).
Maintenance of MAC Sedation:	Healthy Adults Less Than 55 Years of Age: A variable rate infusion technique is preferable over an intermittent bolus technique. Most patients require an infusion of 25 mcg/kg/min to 75 mcg/kg/min (1.5 mg/kg/h to 4.5 mg/kg/h) or incremental bolus doses of 10 mg or 20 mg.
	In Elderly, Debilitated, Neurosurgical, or ASA-PS III or IV Patients: Most patients require 80% of the usual adult dose. A rapid (single or repeated) bolus dose should not be used (see WARNINGS).

solutions containing DIPRIVAN must be discarded at the end of the anesthetic procedure or at 12 hours, whichever occurs sooner. The IV line should be flushed every 12 hours and at the end of the anesthetic procedure to remove residual DIPRIVAN.

Guidelines for Aseptic Technique for ICU Sedation
DIPRIVAN must be prepared for single-patient use only. Strict aseptic techniques must be followed. The vial rubber stopper should be disinfected using 70% isopropyl alcohol. A sterile vent spike and sterile tubing must be used for administration of DIPRIVAN. As with other lipid emulsions, the number of IV line manipulations should be minimized. Administration should commence promptly and must be completed within 12 hours after the vial has been spiked. The tubing and any unused DIPRIVAN drug product must be discarded after 12 hours.

If DIPRIVAN is transferred to a syringe prior to administration, it should be drawn into a sterile syringe immediately after a vial is opened. When withdrawing DIPRIVAN from a vial, a sterile vent spike should be used. The syringe should be labeled with appropriate information including the date and time the vial was opened. Administration should commence promptly and be completed within 12 hours after the vial has been opened. DIPRIVAN should be discarded and administration lines changed after 12 hours.

HOW SUPPLIED:

DIPRIVAN® (Propofol) Injectable Emulsion, USP Vials			
Product No.	NDC No.	Strength	
PRX260929	63323-269-94	200 mg per 20 mL (10 mg per mL)	20 mL ready-to-use single-patient infusion vial in packages of ten.
PRX26			