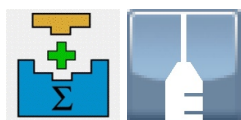
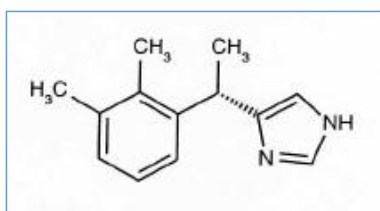


Stabilis



Dexmedetomidine



Tradename

Avemedit	Mexico
Danmidrat	Mexico
Demesynt	Mexico
Dexdine	India
Dexdor	Belgium, France, Iceland, Norway, Romania, Spain
Dexem	India
Dexmedetomidina	Chile, Colombia
Dexmetin	Argentina, Chile
Dexodine	Peru
Dextomid	India
Drimitec	Mexico
Eusedex	Chile, Peru
Frelig	Mexico
Kmetodin	Ecuador
Krunamina	Mexico
Precedex	Argentina, Canada, Chile, Colombia, Ecuador, India, Malaysia, Mexico, New Zealand, Peru, Saudi Arabia, United Arab Emirates, United States of America, Venezuela
Preser	Chile
Priaxim	Ecuador
Valertropina	Argentina
Xamdex	India



Stability in solutions

Material	Stability	Concentration	Temperature	Light	Time	Light Protection	Warnings	Reference
PVC	▲	4 µg/ml	20-25°C	?	14	☾		4029
PVC	▲	4 µg/ml	3-4°C	?	14	☾		4029
PVC	▲	4 >> 20 µg/ml	21-25°C	?	48	☑		3433
POF	▲	4 µg/ml	20-25°C	?	14	☾		4029
POF	▲	4 µg/ml	3-4°C	?	14	☾		4029
PP	▲	4 µg/ml	20-25°C	?	2	☾		3299

		4 µg/ml	5°C		14			3299
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Stability of mixtures

PP		6,6 µg/ml	25°C		Sufentanil citrate : 0,01 mg/ml Propofol : 6,7 mg/ml	24		4011
PP		1,81 µg/ml	25°C		Propofol : 18 mg/ml	24		4011
PP		18,1 µg/ml	25°C		Propofol : 1,8 mg/ml	24		4011
PP		10 µg/ml	25°C		Propofol : 10 mg/ml	24		4011



Compatibility
















		Dexmedetomidine : 100 µg/ml Acetazolamide : 100 mg/ml		4389
		Dexmedetomidine : 4 µg/ml Alfentanil hydrochloride : 50 µg/ml		1712
		Dexmedetomidine : 100 µg/ml Alprostadil : 500 µg/ml		4389
		Dexmedetomidine : 4 µg/ml Alprostadil : 20 µg/ml		4491
		Dexmedetomidine : 4 µg/ml Amikacin sulfate : 5 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Aminophylline : 2.5 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Amiodarone hydrochloride : 4 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Amphotericin B : 0.6 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Ampicillin sodium : 20 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Ampicillin sodium - sulbactam sodium : 20/10 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Azithromycine : 2 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Aztreonam : 40 mg/ml		1712
		Dexmedetomidine : 100 µg/ml	RL	4603
		Dexmedetomidine : 4 µg/ml Bretylum tosilate : 4 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Bumetanide : 0.04 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Butorphanol tartrate : 0.04 mg/ml		1712

	Dexmedetomidine : 3.7 µg/ml		4357
	Dexmedetomidine : 4 µg/ml		4507
	Dexmedetomidine : 100 µg/ml Benzotropine mesylate : 1 mg/ml		4389
	Dexmedetomidine : 100 µg/ml Caffeine : 10 mg/ml		3964
	Dexmedetomidine : 100 µg/ml Caffeine citrate : 10 mg/ml		4389
	Dexmedetomidine : 4 µg/ml Calcium gluconate : 40 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Cefazolin sodium : 20 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Cefepime dihydrochloride : 20 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Cefiderocol sulfate tosylate : 20 mg/mL		4528
	Dexmedetomidine : 4 µg/ml Cefoperazone sodium : 40 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Cefotaxime sodium : 20 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Cefoxitin sodium : 20 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Ceftazidime : 40 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Ceftizoxime sodium : 20 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Ceftolozane / tazobactam : 10/5 mg/ml		3828
	Dexmedetomidine : 4 µg/ml Ceftriaxone disodium : 20 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Cefuroxime sodium : 30 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Chlorpromazine hydrochloride : 2 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Cimetidine hydrochloride : 12 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Ciprofloxacin lactate : 1 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Cisatracurium besylate : 0.5 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Clindamycin phosphate : 10 mg/ml		1712
	Dexmedetomidine : 100 µg/ml Cloxacillin sodium : 100 mg/ml		4389
	Dexmedetomidine : 4 µg/ml Co-trimoxazole : 4/0.8 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Dexamethasone sodium phosphate : 1 mg/ml		1712
			1712
	Dexmedetomidine : 4 µg/ml Digoxin : 250 µg/ml		1712

	Dexmedetomidine : 4 µg/ml Diltiazem hydrochloride : 5 mg/ml		1712
	Dexmedetomidine : 100 µg/ml Dimenhydrinate : 10 mg/ml		4389
	Dexmedetomidine : 4 µg/ml Diphenhydramine hydrochloride : 2 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Dobutamine hydrochloride : 4 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Dolasetron mesylate : 2 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Dopamine hydrochloride : 3.2 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Doxycycline hyclate : 1 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Droperidol : 2.5 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Enalaprilate : 0.1 mg/ml		1712
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	Dexmedetomidine : 4 µg/ml Gentamicin sulfate : 5 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Granisetron hydrochloride : 0.05 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Haloperidol lactate : 0.2 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Heparin sodium : 100 UI/ml		1712
	Dexmedetomidine : 100 µg/ml Human albumin : 250 mg/ml		4389
	Dexmedetomidine : 100 µg/ml Hydralazine hydrochloride : 20 mg/ml		4389

	Dexmedetomidine : 4 µg/ml Hydrocortisone sodium succinate : 1 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Hydromorphone hydrochloride : 0.5 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Hydroxyzine dihydrochloride : 2 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Imipenem-Cilastatin / Relebactam : 5 mg/ml		4433
	Dexmedetomidine : 4 µg/ml Isavuconazonium sulfate : 1.5 mg/ml	 	3829
	Dexmedetomidine : 4 µg/ml Isoprenaline hydrochloride : 0.02 mg/ml		1712
	Dexmedetomidine : 100 µg/ml Ketamine hydrochloride : 50 mg/ml		4389
	Dexmedetomidine : 4 µg/ml Ketorolac tromethamine : 15 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Labetalol hydrochloride : 2 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Levetiracetam : 5 mg/ml		4569
	Dexmedetomidine : 4 µg/ml Levofloxacin : 5 mg/ml		1712
	Dexmedetomidine : 100 µg/ml Levosimendan : 2.5 mg/ml		4389
	Dexmedetomidine : 4 µg/ml Lidocaine hydrochloride : 10 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Linezolid : 2 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Lorazepam : 0.5 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Magnesium sulfate : 100 mg/ml		1712
	Dexmedetomidine : 100 µg/ml Meropenem : 50 mg/ml		4319
	Dexmedetomidine : 4 µg/ml Methylprednisolone sodium succinate : 5 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Metoclopramide hydrochloride : 5 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Metronidazole : 5 mg/ml		1712
			4389
	Dexmedetomidine : 100 µg/ml Miconazole : 20 mg/ml		4389
	Dexmedetomidine : 100 µg/ml Milrinone lactate : 1 mg/ml		4389
	Dexmedetomidine : 4 µg/ml Milrinone lactate : 0.2 mg/ml		1712
	Dexmedetomidine : 100 µg/ml N-acetylcysteine : 200 mg/ml		4389
	Dexmedetomidine : 4 µg/ml Nafamostat : 10 mg/mL		4545
	Dexmedetomidine : 4 µg/ml Nalbuphine hydrochloride : 10 mg/ml		1712

	Dexmedetomidine : 4 µg/ml Nitroglycerin : 0.4 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Nitroprusside sodium : 2 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Norepinephrine bitartrate : 0.12 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Ofloxacin : 4 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Ondansetron hydrochloride : 1 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Oritavancin : 0.8 >>2 mg/ml		3152
	Dexmedetomidine : 100 µg/ml Penicillin G sodium : 0,5 MUI/ml		4389
	Dexmedetomidine : 0,001 µg/ml Pentoxifyllin : 5 mg/ml		4538
	Dexmedetomidine : 4 µg/ml Pethidine hydrochloride : 10 mg/ml		1712
	Dexmedetomidine : 100 µg/ml Phentolamine mesylate : 5 mg/ml		4389
	Dexmedetomidine : 4 µg/ml Piperacillin sodium : 40 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Piperacillin sodium / tazobactam : 40/5 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Plazomicin sulfate : 24 mg/ml		4145
	Dexmedetomidine : 4 µg/ml Potassium chloride : 100 mEq/l		1712
	Dexmedetomidine : 4 µg/ml Procainamide hydrochloride : 10 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Prochlorperazine edysilate : 0.5 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Promethazine hydrochloride : 2 mg/ml		1712
	Dexmedetomidine : 0.4 >> 18.2 µg/ml Propofol : 1.8 >> 18.2 mg/ml		4011
	Dexmedetomidine : 4 µg/ml Propofol : 10 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Ranitidine hydrochloride : 2 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Remifentanil hydrochloride : 250 µg/ml		1712
	Dexmedetomidine : 4 µg/ml Rocuronium bromide : 1 mg/ml		1712
	Dexmedetomidine : 100 µg/ml Salbutamol sulfate : 1 mg/ml		4389
	Dexmedetomidine : 4 µg/ml Sodium bicarbonate : 84 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Sufentanil citrate : 0.05 mg/ml		1712
	Dexmedetomidine : 100 µg/ml Sugammadex : 100 mg/ml		3372

	Dexmedetomidine : 4 µg/ml Tedizolid phosphate : 0.8 mg/ml		3827
	Dexmedetomidine : 4 µg/ml Theophylline : 4 mg/ml		1712
	Dexmedetomidine : 100 µg/ml Thiamine hydrochloride : 100 mg/ml		4389
	Dexmedetomidine : 4 µg/ml Ticarcillin / clavulanic acid : 31 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Tobramycin sulfate : 5 mg/ml		1712
	Dexmedetomidine : 100 µg/ml Tranexamic acid : 100 mg/ml		4389
	Dexmedetomidine : 100 µg/ml Valproic acid : 100 mg/ml		4389
	Dexmedetomidine : 4 µg/ml Vancomycin hydrochloride : 10 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Verapamil hydrochloride : 1.25 mg/ml		1712



Route of administration



References









































	Type	Publication
1712	Journal	Trissel LA, Saenz CA. Compatibility screening of Precedex during simulated Y-site administration with other drugs. Int J Pharm Compound 2002 ; 6: 230-233.
3152	Journal	Kumar A, Mann HJ. Visual compatibility of oritavancin diphosphate with selected coadministered drugs during simulated Y-site administration. Am J Health-Syst Pharm 2010 ; 67: 1640-1644.
3299	Journal	Anderson C.R, Mackay M.W, Holley M, Kay B.A Stability of dexmedetomidine 4 µg/mL in polypropylene syringes. Am J Health-Syst Pharm 2012 ; 69:595-597.
3372	Journal	Hanci V, Ali Kiraz H, Ömür D, Ekin S, Uyan B, Yurtlu B.S. Precipitation in Gallipoli: Sugammadex / Amiodarone & Sugammadex / Dobutamine & Sugammadex / Protamine. Rev Bras Anestesiol 2013 ; 63, 1: 163-166.
3433	Journal	Preslaski C.R, Mueller S.W, Wempe M.F, Robert MacLaren R. Stability of dexmedetomidine in polyvinyl chloride bags containing 0.9% sodium chloride injection. Am J Health-Syst Pharm 2013 ; 70:1336-1341
3827	Poster	Ghazi I.M, Hamada Y, Nicolau D.P. Compatibility of tedizolid phosphate with selected intravenous drugs via simulated Y-site conditions. ASHP Midyear 2015 2015
3828	Poster	Thabit A.K, Hamada Y, Nicolau D.P. Ceftozolane/tazobactam physical compatibility during simulated Y-site administration. ASHP Midyear 2015 2015

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3964	Journal	Audet M.A, Forest E, Friciu M, Forest J.M, Leclair G. Compatibilit� du citrate de caf�ine injectable avec plusieurs autres m�dicaments. Pharmactuel 2017 ; 50,1 : 27-33.
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4029	Journal	Marquis K, Hohlfelder B, Szumita Paul. Stability of Dexmedetomidine in 0.9% Sodium Chloride in Two Types of Intravenous Infusion Bags. Int J Pharm Compound 2017 ; 21, 5: 436-439
4055	Journal	Monogue M, Almarzoky Abuhussain S, Kuti J, Nicolau D. Physical compatibility of fosfomycin for injection with select i.v. drugs during simulated Y-site administration. Am J Health-Syst Pharm 2018 , 75, 1:36-44
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4319	Journal	Lessard J-J, Caron E, Sch�er H, Forest J-M, Leclair G. Compatibility of Y-site Injection of Meropenem Trihydrate With 101 Other Injectable Drugs. Hosp Pharm 2020 ; 55, 5: 332-337.
4357	Journal	Campos-Baeta, Saavedra-Mitjans M, Garin N, Cardenete J, Cardona D, Riera P. Physicochemical Compatibility of Dexmedetomidine With Parenteral Nutrition. Nutrition in clinical Practice 2020 ; 35: 967-972.
4389	Journal	C�t� K, Correal F, Metras M.E, Friciu M, Forest J.M, Leclair G. Compatibilit� physique des m�dicaments administr�s en Y aux soins intensifs, en particulier la dexm�d�tomidine, le l�vosimendan et la k�tamine. Pharmactuel 2019 ;52,4:206-213
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4491	Journal	De Basagoiti A, Katsumiti A, Abascal S, Bustinza A, L�pez-Gim�nez L.R, Pilar P, De Miguel M, Campino A. Physical compatibility of alprostadil with selected drugs commonly used in the neonatal intensive care units. Eur J Pedia 2020
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4528	Journal	Lu J, Liu Q, Kupiec T, Vail H, Lunch L, Fam D, Vu N. Physical Compatibility of Cefiderocol with Selected Intravenous Drugs During Simulated Y-site Administration. Int J Pharm Compound 2021 ;25,1:52-61
4538	Journal	Campbell A, Petrovski M, Senarathna G, Mukadam ,Strunk T, Batty K. Compatibility of pentoxifylline and parenteral medications. Archives of Disease in Childhood 2020 ; 105: 395-397.
4545	Journal	Kondo M, Nagano M, Yoshida M, Yoshida N, Tagui N, Yoshida M, Sugaya K, Takase H. Physical compatibility of nafamostat with analgesics, sedatives, and muscle relaxants for coronavirus disease treatment. Journal of Nippon Medical school 2021

4569	Journal	Lee T.M , Villareal C.L, Meyer L.M. Y-Site Compatibility of Intravenous Levetiracetam With Commonly Used Critical Care Medications. Hosp Pharm 2021 ; 56, 4: 282-286.
4570	Journal	Greenhill K, Hornsby E, Gorman G. Investigations of Physical Compatibilities of Commonly Used Intravenous Medications with and without Parenteral Nutrition in Pediatric Cardiovascular Intensive Care Unit Patients. Pharmaceuticals 2019
4603	Journal	Vallée M, Barthélémy I, Friciu M, Pelletier E, Forest J.M, Benoit F, Leclair G. Compatibility of Lactated Ringer's Injection With 94 Selected Intravenous Drugs During Simulated Y-site Administration. Hosp Pharm 2021 ; 56, 4: 228-234.



Dictionary

 Sympathomimetic	 Injection
 Tradename	 Stability in solutions
 Container	 Molecule
 Concentration	 Temperature
 Storage	 Length of time
 Biosimilar	 Conflicting data
 References	 Polyvinyl chloride
 Sodium chloride 0,9%	 Not specified
 Day	 Hour
 Polyolefine	 Polypropylen Syringe
 Stability of mixtures	 Solvent
 Compound	 Polypropylene
 Light	 Compatibility
 Compatible	 Glucose 5%
 Immediate precipitation	 Incompatible
RL Ringer's lactate solution	 Parenteral nutrition (with lipids)
 None	 NaCl 0,9% or Glucose 5%
 Water for Injection	 Turbidity in 4 hours
 Route of administration	 Intravenous
 Intramuscular	 References
 Dictionary	