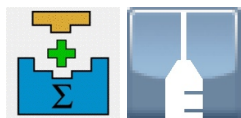
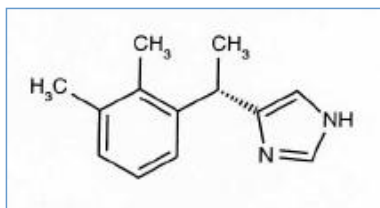


# Stabilis



## 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	Chile, Peru
Dextocris	Chile
Dextomid	India
Drimatec	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

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
POF	▲	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 : 4 µg/ml Alprostadil : 20 µg/ml		4651
	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 : 100 µg/ml Amoxicillin sodium / clavulanic acid : 100/10 mg/ml		3824
	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 : 100 µg/ml	RL	4603
	Dexmedetomidine : 4 µg/ml Azithromycine : 2 mg/ml		1712
	Dexmedetomidine : 4 µg/ml Aztreonam : 40 mg/ml		1712
	Dexmedetomidine : 100 µg/ml Benztropine mesylate : 1 mg/ml		4389

	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 : 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 Clindamycin phosphate : 10 mg/ml		1712
	Dexmedetomidine : 4 µg/ml		4507
	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 : 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

		Dexmedetomidine : 4 µg/ml Diazepam : 5 mg/ml		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 : 3.7 µg/ml		4357
		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
		Dexmedetomidine : 4 µg/ml Ephedrine hydrochloride : 5 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Epinephrine hydrochloride : 50 µg/ml		1712
		Dexmedetomidine : 4 µg/ml Eravacycline : 0,6 mg/ml		4434
		Dexmedetomidine : 4 µg/ml Erythromycin lactobionate : 5 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Esmolol hydrochloride : 10 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Famotidine : 2 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Fenoldopam mesylate : 80 µg/ml		1712
		Dexmedetomidine : 4 µg/ml Fluconazole : 2 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Fosfomycin : 30 mg/ml		4055
		Dexmedetomidine : 4 µg/ml Furosemide : 3 mg/ml		1712
		Dexmedetomidine : 4 µg/ml Furosemide : 10 mg/ml		4570
		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 : 0,4 µg/ml	Normo Sol®	4655
	Dexmedetomidine : 4 µg/ml Metronidazole : 5 mg/ml		1712
	Dexmedetomidine : 100 µg/ml Miconazole : 20 mg/ml		4389
	Dexmedetomidine : 4 µg/ml Milrinone lactate : 0.2 mg/ml		1712

	Dexmedetomidine : 100 µg/ml Milrinone lactate : 1 mg/ml		4389
	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 Paracetamol : 10 mg/ml		4742
	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 Remimazolam : 5 mg/ml		4723
	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.
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




























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 Anesthesiol 2013 ; 63, 1: 163-166.
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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
3828	Poster	Thabit A.K, Hamada Y, Nicolau D.P. Ceftazolin/tazobactam physical compatibility during simulated Y-site administration. ASHP Midyear 2015
3829	Poster	So W, Kim L, Thabit A.K, Nicolau D.P, Kuti J.L. Compatibility of isavanazonium sulfate during simulated Y-site administration. ASHP Midyear 2015
3964	Journal	Audet M.A, Forest E, Friciu M, Forest J.M, Leclair G. Compatibilité du citrate de caféine injectable avec plusieurs autres médicaments. Pharmactuel 2017 ; 50,1 : 27-33.
4011	Journal	Gersonde F, Eisend S, Haake N, Kunze T. Physicochemical compatibility and emulsion stability of propofol with commonly used analgesics and sedatives in an intensive care unit. EJHP 2016 2016;0:1-11
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
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4319	Journal	Lessard J-J, Caron E, Schérier 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.
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4389	Journal	Côté K, Correal F, Metras M.E, Friciu M, Forest J.M, Leclair G. Compatibilité physique des médicaments administrés en Y aux soins intensifs, en particulier la dexmédétomidine, le lévamisentan et la kétamine. Pharmactuel 2019 ;52,4:206-213
4433	Journal	Ghazi I.M, El Nekidy W.S, Sood A, Dulku A, Patel R, Patel K. Y-site Administration of Imipenem/Cilastatin/ Relebactam With Common Intravenous Medications Clin Ther 2020 ; 42, 3: 475-485.
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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.
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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.
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4723	Journal	Kondo M, Yoshida N, Yoshida M, Tanaka C, Tagami T, Horik K, Sugaya K, Takase H Physical compatibility of remimazolam with opioid analgesics, sedatives, and muscle relaxants during simulated Y-site administration. Am J Health-Syst Pharm 2022 <a href="https://doi.org/10.1093/a">https://doi.org/10.1093/a</a>
4742	Journal	Macoviciuc M, Nguyen C, Forest J-M, Leclair G. Compatibilité physique de l'acétaminophène injectable avec 102 autres médicaments lors d'une administration en Y. Pharmactuel 2022 ; 55, 4: 247-255.



# Dictionary

 Sympathomimetic	 Injection
 Tradename	 Stability in solutions
 Container	 Molecule
 Concentration	 Temperature
 Storage	 Duration of stability
 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	 Immediate turbidity
 Incompatible	 Glucose 5%
 Immediate precipitation	<b>RL</b> Ringer's lactate solution
 None	 NaCl 0,9% or Glucose 5%
 Parenteral nutrition (with lipids)	 Water for Injection
 Normosol®	 Turbidity in 4 hours
 Route of administration	 Intravenous
 Intramuscular	 References
 Dictionary	