



SyrSpend[®] SF

Compatibility table

**SyrSpend® SF
PH4 (liquid)
(PRESERVED)**



**SyrSpend® SF
PH4 Neo (dry)
(PRESERVED)**



**SyrSpend® SF
PH4 (dry)
(UNPRESERVED)**



**SyrSpend® SF
ALKA (dry)
(UNPRESERVED)**



Active pharmaceutical Ingredient (API)	Concentration	Physical and chemical stability (days)	Storage	Physical and chemical stability (days) [§]	Physical and chemical stability (days) [§]	Storage
Acetaminophen (paracetamol) ¹⁶	50 mg/mL	90	 			
Acetazolamide ²¹	25 mg/mL	90	 			
Allopurinol ¹⁶	20 mg/mL	90	 			
Alprazolam ²⁰	1 mg/mL	90	 			
Amiodarone HCl ¹	5 mg/mL	90	 			
Amitriptyline HCl ¹⁶	10 mg/mL	90	 			
Amlodipine (besylate) ²	1 mg/mL	90	 			
Atenolol ³	1 mg/mL	60	 			
	5 mg/mL	90	 			
Atropine sulfate ²⁰	0.1 mg/mL	90	 			
Azathioprine ²⁹	50 mg/mL	14	 			
Baclofen ^{21, 28}	2 mg/mL	90				
	10 mg/mL	90	 			
Caffeine ¹⁷	10 mg/mL	90	 			
Captopril ⁴	0.8 mg/mL	14				
Carbamazepine ¹⁶	25 mg/mL	90	 			
Carvedilol ^{17, 28}	1 mg/mL	90	 			
	5 mg/mL	90				
Celecoxib (capsules) ²²	10 mg/mL	90	 			
Chloral hydrate ²²	100 mg/mL	60	 			
Chloroquine phosphate ²	15 mg/mL	90	 			
Cholecalciferol (vit. D3) ⁵	50,000 IU/mL	90	 			
Ciprofloxacin HCl ²²	50 mg/mL	90 / 60	 			
Clomipramine HCl ¹⁷	5 mg/mL	90	 			
Clonazepam ³	0.2 mg/mL	90	 			
Clonidine HCl ²⁹	0.1 mg/mL	90	 			
Clopidogrel (as bisulfate, tablets) ²⁹	5 mg/mL	30				
Cloxacilline (capsules)*. 23	50 mg/mL	5				
Clozapine (tablets)	25 mg/mL	90 / 60	 			
Cyclosporine ²²	100 mg/mL	90	 			
Dapsone ²	2 mg/mL	90	 			
Darunavir & cobicistat (tablets)*.30	20 / 3.75 mg/mL	7				
Dexamethasone ³	1 mg/mL	90	 			
Diclofenac sodium ³	5 mg/mL	90	 			
Diltiazem HCl ³	12 mg/mL	90	 			

 Compatible combination

 Combination not recommended

 2-8 °C  15-25 °C Storage temperature

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Active pharmaceutical Ingredient (API)	Concentration	Physical and chemical stability (days)	Storage	Physical and chemical stability (days) [§]	Physical and chemical stability (days) [§]	Storage
Dipyridamole ²¹	10 mg/mL	90	 			
Domperidone ¹⁶	5 mg/mL	90	 			
Doxycycline ³¹	2 mg/mL	90				
	50 mg/mL	90				
Enalapril maleate ³	1 mg/mL	90	 			
Esomeprazole magnesium ^{**, 18}	3 mg/mL				60	
Ethambutol 2 HCl ^{**, 29}	50 mg/mL	30				
Ethambutol 2 HCl ^{**, 29}	50 mg/mL	90	 			
	100 mg/mL	90	 			
Flecainide acetate (tablets) ²²	20 mg/mL	90	 			
Fluoxetine HCl ³¹	2 mg/mL	90	 			
	10 mg/mL	90	 			
Folic acid ¹⁷	1 mg/mL	90	 			
Furosemide ¹	10 mg/mL				14	
Gabapentin ⁶	50 mg/mL	90	 			
Glutamine ²⁰	250 mg/mL	90	 			
Glycopyrrolate (glycopyrronium bromide) ²²	0.5 mg/mL	90	 			
Griseofulvin ²⁹	25 mg/mL	90	 			
Haloperidol ⁵	0.5 mg/mL	90	 			
Hydralazine HCl ²⁹	4 mg/mL	30	 			
Hydrochlorothiazide ^{17, 28}	2 mg/mL	90	 			
	5 mg/mL	90				
Hydrocortisone ²²	1 mg/mL	90	 			
Hydrocortisone hemisuccinate ¹	2 mg/mL	60	 			
Hydrocortisone sodium phosphate ¹	2 mg/mL	60	 			
Hydroxychloroquine sulfate ^{****}	25 mg/mL	90				
	50 mg/mL	90				
Imipramine HCl ⁵	5 mg/mL	90	 			
Isoniazid ¹⁶	10 mg/mL	90	 			
Itraconazole ²²	20 mg/mL	90	 			
Ketoconazole ¹⁶	20 mg/mL	90	 			
Ketoprofen ³	20 mg/mL	90	 			
Labetalol HCl (tablets) ²²	40 mg/mL	90	 			
Lamotrigine ³	1 mg/mL	90	 			
Lansoprazole ¹⁸	2 mg/mL					

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Active pharmaceutical Ingredient (API)	Concentration	Physical and chemical stability (days)	Storage	Physical and chemical stability (days) [§]	Physical and chemical stability (days) [§]	Storage
Levodopa and carbidopa ⁵	5 / 1.25 mg/mL	60 / 30	 			
	10 / 2.5 mg/mL	90	 			
Levofloxacin ²⁰	50 mg/mL	90	 			
Levothyroxine Sodium (T4)	25 µg/mL	90				
Lisinopril (as dihydrate) ¹⁶	1 mg/mL	90	 			
Lomustine	4 mg/mL	90				
	10 mg/mL	00				
Loperamide HCl ¹⁷	1 mg/mL	90	 			
Lorazepam ⁵	1 mg/mL	90 / 60	 			
Mebeverine HCl ²¹	10 mg/mL	90	 			
Melatonin ²²	3 mg/mL	90	 			
Mercaptopurine (tablets) ²⁸	10 mg/mL	90	 			
Methadone HCl ²⁸	10 mg/mL	90	 			
Methotrexate ¹⁷	2.5 mg/mL	90	 			
Methyldopa	50 mg/mL	90				
Metoprolol tartrate ²⁰	10 mg/mL	90	 			
Metronidazole benzoate ⁷	80 mg/mL	90	 			
Midazolam (as HCl, injection fluid) ^{8, 19}	1 mg/mL	60	 			
Minocycline HCl ⁵	10 mg/mL	60	 			
Nadolol ¹⁷	10 mg/mL	90	 			
Naltrexone HCl ¹⁷	1 mg/mL	90	 			
Naproxen ¹⁶	25 mg/mL	90	 			
Nifedipine ¹	4 mg/mL	90	 			
Nitrendipine (tablets)*, 24	5 mg/mL	60				
	2 mg/mL	90	 			
Nitrofurantoin***, 20, 29	10 mg/mL	90	 			
	2 mg/mL	90	 			
Omeprazole**, 9, 18	2 mg/mL				60	
	5 mg/mL				60	
Ondansetron HCl ²⁰	0.8 mg/mL	90	 			
Oseltamivir (as phosphate, capsules) ^{10, 19, 28}	6 mg/mL	90				
	15 mg/mL	90				
Oxandrolone ²⁰	3 mg/mL	90	 			
Oxybutynin*, 32	5 mg/mL	8				
Pantoprazole sodium**, 18	3 mg/mL				60	
Paracetamol (acetaminophen) ¹⁶	50 mg/mL	90	 			

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Active pharmaceutical Ingredient (API)	Concentration	Physical and chemical stability (days)	Storage	Physical and chemical stability (days) [§]	Physical and chemical stability (days) [§]	Storage
Penicillamine ³	50 mg/mL	90	 			
Pentoxifylline ¹⁷	20 mg/mL	90	 			
Phenobarbital ^{1, 28}	9 mg/mL	90	 			
	15 mg/mL	90				
Phenytoin ²	15 mg/mL	90	 			
Prednisone ^{*, 25}	5 mg/mL	60				
Prednisolone sodium phosphate ¹	1.5 mg/mL	30	 			
Pregabalin ²⁰	20 mg/mL	90	 			
Procarbazine	10 mg/mL	30				
Propranolol HCl ^{11, 19, 28}	0.5 mg/mL	90				
	1 mg/mL	90				
	5 mg/mL	90				
Propylthiouracil ²¹	5 mg/mL	90	 			
Pyrazinamide ^{*, 26, 28}	100 mg/mL	90	 			
Pyridoxine HCl (vit. B6) ²	50 mg/mL	90	 			
Quinidine sulfate ²¹	10 mg/mL	90	 			
Rabeprazole ¹⁸	3 mg/mL					
Ranitidine HCl ¹	14 mg/mL	58 / 36	 			
Riboflavin (vit. B2) ²⁰	10 mg/mL	90	 			
Rifampicin (rifampicin) ¹²	25 mg/mL	60	 			
Sertraline HCl ¹⁶	10 mg/mL	90	 			
Sildenafil citrate ³³	2.5 mg/mL	90	 			
Simvastatin ¹	1 mg/mL	90				
Sotalol HCl (tablets) ²⁸	5 mg/mL	90	 			
Spironolactone ^{1, 28}	2.0 mg/mL	90				
	2.5 mg/mL	90				
	25 mg/mL	90	 			
Spironolactone and hydrochlorothiazide ²²	5/5 mg/mL	90	 			
Sulfadiazine ²	100 mg/mL	90	 			
Sulfasalazine ²	100 mg/mL	90	 			
Tacrolimus (as monohydrate) ^{5, 28}	0.5 mg/mL	90	 			
	1 mg/mL	90				
Terbinafine HCl ⁵	25 mg/mL	90	 			
Tetracycline HCl ²	25 mg/mL	90	 			
Thiamine HCl (vit. B1) ³	100 mg/mL	90	 			
Thioguanine ²⁹	2.5 mg/mL	90	 			

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Active pharmaceutical Ingredient (API)	Concentration	Physical and chemical stability (days)	Storage	Physical and chemical stability (days) [§]	Physical and chemical stability (days) [§]	Storage
Tiagabine HCl (tablets) ²²	1 mg/mL	90 / 30	 			
Topiramate ²¹	5 mg/mL	90	 			
Tramadol HCl ^{5, 31}	5 mg/mL	90	 			
	10 mg/mL	90	 			
	30 mg/mL	90	 			
Trimethoprim ²	10 mg/mL	90	 			
Ursodeoxycholic Acid ^{13, 28}	20 mg/mL	90				
	30 mg/mL	90				
Valsartan ⁵	4 mg/mL	90	 			
Vancomycin HCl ^{14, 28}	25 mg/mL	90				
	50 mg/mL	90				
Verapamil HCl ¹⁵	50 mg/mL	60				
Warfarine sodium (tablets)*, ²⁷	1 mg/mL	44 / 10	 			
Zonisamide ²	10 mg/mL	90	 			

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* The physical and chemical stability of acid-stable APIs in SyrSpend® SF PH4 (dry) is expected to be similar to that of SyrSpend SF PH4 (liquid). The physical and chemical stability for acid-labile APIs in SyrSpend® SF ALKA (dry) are mentioned in the compatibility table. Note that SyrSpend® SF PH4 (dry) and SyrSpend® SF ALKA (dry) are both unpreserved. When compounding with these vehicles, the maximum beyond-use-date needs to be assigned, based on the pharmacist's own professional judgement and applicable legislation.

* Study performed by independent scientific working groups without Fagron supervision. For a full list of all references, please be referred to: www.fagron.com/en/external-study-overview.

** Use raw pharmaceutical material for the API when compounding.

*** Higher concentrations can thicken over time. If higher concentrations are needed, please assure the suspension keeps sufficiently thin to handle. For all nitrofurantoin compounds in SyrSpend® SF, please consult Fagron Compounding Matters for the compounding instructions

**** According to Pesko sugar and artificial flavorings should not be added. Pesko LJ. Compounding: Hydroxychloroquine. *Am. Druggist*. 1993;207:57

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