

	45° C.		37° C.		25° C.	
	Ampules	Vials	Ampules	Vials	Ampules	Vials
2-PAM chloride.....	98	98	100	100	100	100
Atropine sulfate.....			94	95	98	98

## EXAMPLE 4

	Input	Claim
2-PAM chloride, gm.....	33.00	30.0
Atropine sulfate, U.S.P., gm.....	0.44	0.4
Hydrochloric acid I.O.N. Q.S. to pH 2.0.....		
Water for injection, U.S.P. Q.S., ml.....	100.0	

The procedure used to prepare this solution was the same as that described in Example 3. The following stability data were obtained expressed a percent of claim after one year storage.

	45° C.		37° C.		25° C.	
	Ampules	Vials	Ampules	Vials	Ampules	Vials
2-PAM chloride.....	101	100	106	105	110	110
Atropine sulfate.....	98	98	103	103	107	106

## I claim:

1. A stable, injectable, concentrated, aqueous solution of a 2-formyl-1-methylpyridinium oxime salt which comprises a salt of 2-formyl-1-methylpyridinium oxime present in said aqueous solution at a concentration of at least 10 percent on a weight per volume basis, and an inorganic acid, said inorganic acid being present in said solution in sufficient amount to adjust the pH thereof to one within the range 1.0 to 3.0.

2. A stable, injectable aqueous solution having a pH falling within the range 1.0 to 3.0 as defined in claim 1, which solution additionally contains, dissolved therein, a therapeutic dose of atropine sulfate.

3. A stable, injectable aqueous solution having a pH falling within the range 1.0 to 3.0 as defined in claim 2 wherein said atropine sulfate is present therein in a concentration of from 2 to 5 milligrams per milliliter.

4. A stable, injectable aqueous solution having a pH falling within the range 1.0 to 3.0 as defined in claim 1 wherein said salt of 2-formyl-1-methylpyridinium oxime is selected from the group which consists of the chloride, nitrate, hydrogensulfate, fumarate, lactate, tartrate and methanesulfonate salts thereof.

5. A stable, injectable aqueous solution having a pH falling within the range 1.0 to 3.0 as defined in claim 1 wherein said inorganic acid is selected from the group which consists of hydrochloric acid, nitric acid, sulfuric acid and perchloric acid.

6. A stable, injectable aqueous solution having a pH falling within the range 1.0 to 3.0 as defined in claim 1

wherein said salt of 2-formyl-1-methylpyridinium oxime is the chloride salt.

7. A stable, injectable aqueous solution having a pH falling within the range 1.0 to 3.0 as defined in claim 1 wherein said inorganic acid present in amount sufficient to adjust the pH of said solution to one within the specified range is hydrochloric acid.

8. A stable, injectable, concentrated, aqueous solution of 2-formyl-1-methylpyridinium oxime salt which comprises a salt of 2-formyl-1-methylpyridinium oxime present in said solution at a concentration, on a weight per

volume basis, ranging from approximately 10 percent to the aqueous solubility of said salt at the temperature of said solution, there being also present therein an inorganic acid in sufficient amount to adjust the pH of said solution to one within the range 1.0 to 3.0.

9. A stable, injectable aqueous solution having a pH falling within the range 1.0 to 3.0 as defined in claim 8, said solution containing, as an additional dissolved ingredient therein, a therapeutic dose of atropine sulfate.

10. A stable, injectable aqueous solution having a pH falling within the range 1.0 to 3.0 as defined in claim 9, wherein said 2-formyl-1-methylpyridinium oxime salt is the chloride salt.

11. A stable, injectable aqueous solution having a pH falling within the range 1.0 to 3.0 as defined in claim 8, wherein said inorganic acid is hydrochloric acid.

## References Cited

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## OTHER REFERENCES

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