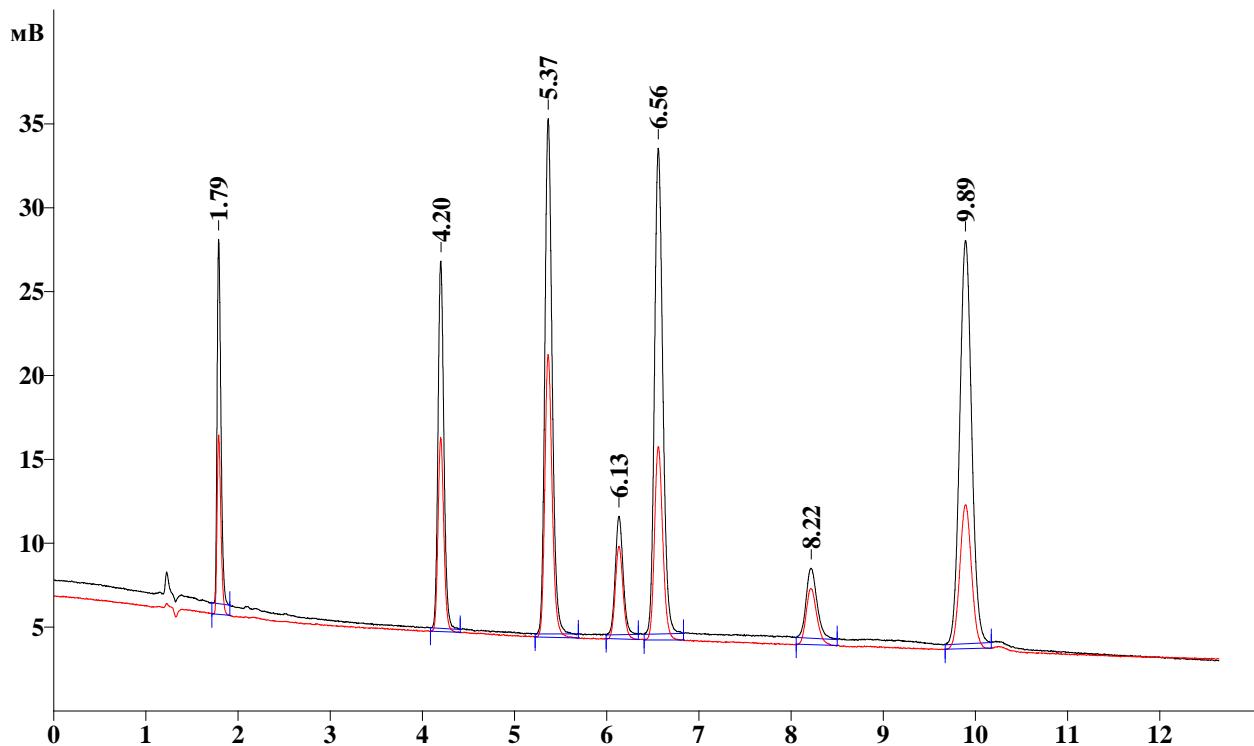


Portfolio of HPLC Solutions

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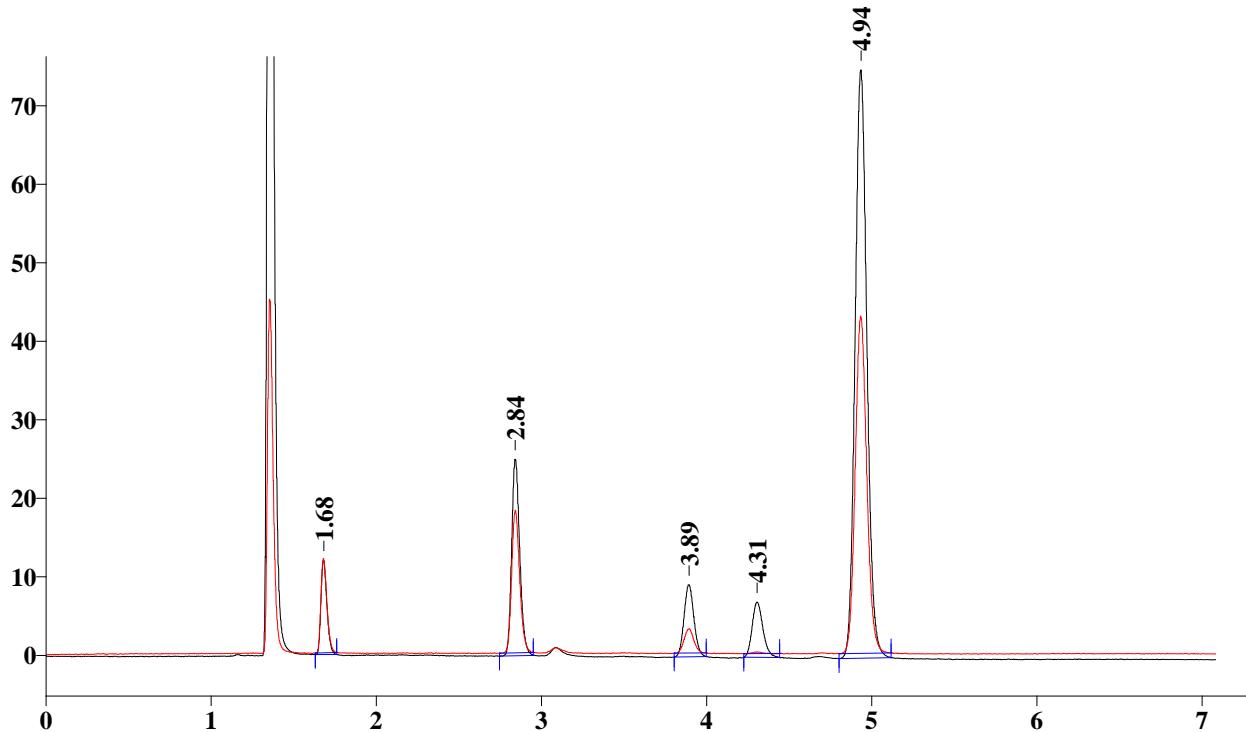
1. Six **Catecholamines** & Serotonin: **10 min.** isocratic analysis
2. Five **Veterinary Antibiotics** of Different Classes: **5 min.** isocratic analysis
3. Three **β-Blockers** On Two Different St.Phases: **6 min.** isocratic analysis
4. Three **Decongestants**: **6 min.** isocratic analysis
5. Five **Inhalation Drugs**: **6 min.** isocratic analysis
6. Nicotinic Acid, Nicotinamide & Pyridoxine: **7 min.** isocratic analysis
7. **Nucleosides & Nucleic Bases**: **8 min.** isocratic analysis
8. Lamivudine / Abacavir Drug Combination: **6 min.** isocratic analysis
9. Verapamil / Bisoprolol Drug Combination: **4 min.** isocratic analysis
10. Four **Antiarrhythmic Drugs**: **5 min.** isocratic analysis
11. Two **Anesthetic Drugs** In Ointment: **6 min.** isocratic analysis
12. Three **Antifungal Drugs** of Different Classes: **6 min.** isocratic analysis
13. Two **Antidepressant Drugs**: **5 min.** isocratic analysis
14. Diphenhydramine/Pseudoephedrine/Codeine Syrup: **7 min.** isocratic analysis
15. Carbocisteine Syrup: **2 min.** isocratic analysis
16. Glutamate in Food Extract: **2.5 min.** isocratic analysis
17. Caffeine/Acetaminophen/Ascorbate Combination: **3.5 min.** isocratic analysis
18. Acetaminophen/Aspirin/Phenylephrine Combination: **6 min.** isocratic analysis
19. Three **β-Lactam Antibiotics** of Different Classes: **8 min.** isocratic analysis
20. Non-standard **Amino Acids** & Carnitine: **7 min.** isocratic analysis
21. Nine **Neutral & Acidic Preservatives**: **5.5 min.** isocratic analysis
22. Ten **NSAIDs**: **7 min.** isocratic analysis
23. Six **Water Soluble Vitamins** & Their **Phosphates**: **8 min.** isocratic analysis

Six Catecholamines & Serotonin: 10 min.
isocratic HPLC Separation



1.	1.790	25.7	9305	1.31	DOPA
2.	4.200	9.16	21888	1.16	Norepinephrine
3.	5.365	5.24	22955	1.20	Epinephrine
4.	6.134	2.72	25889	1.12	Normetanephrine
5.	6.56	8.88	26240	1.17	Dopamine
6.	8.217	7.49	23935	1.22	Metanephrine
7.	9.894	0.00	28049	1.06	Serotonin

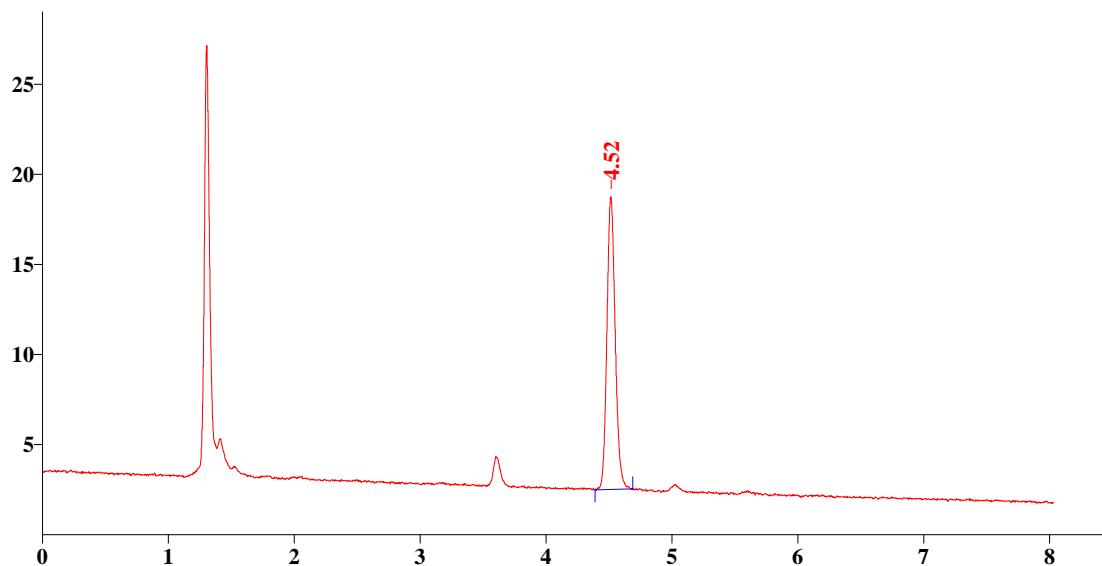
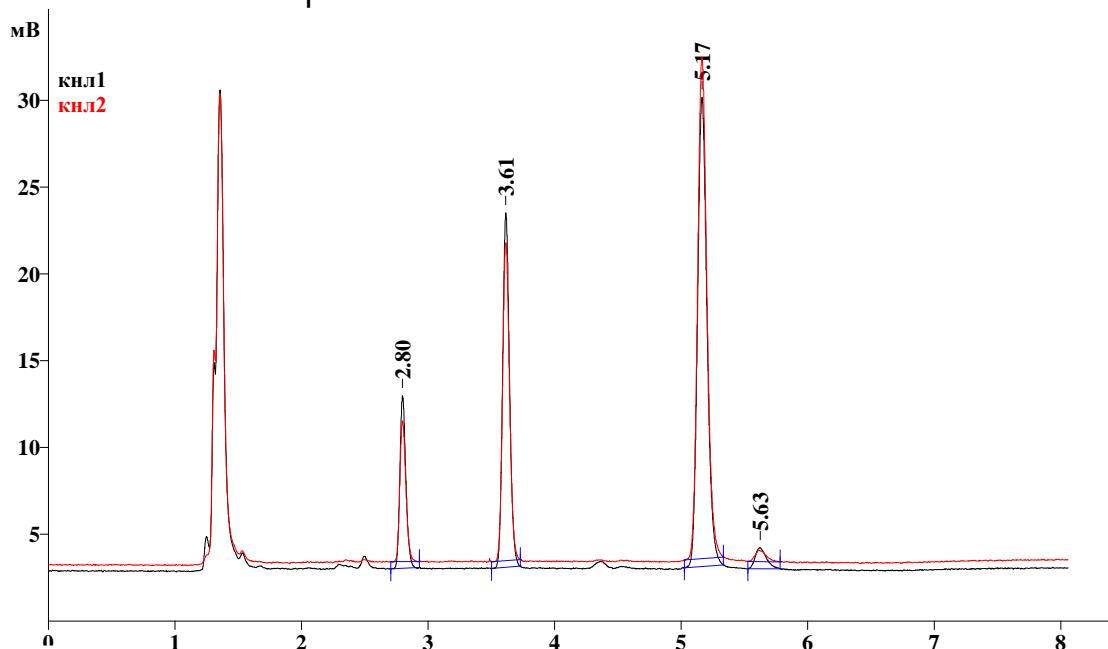
Five Veterinary Antibiotics of Different Classes: 5 min.
isocratic HPLC Separation



1.	1.682	5.45	14.9	9837	1.24	Metronidazole
2.	2.840	15.28	10.7	16617	1.26	Amoxicillin
3.	3.892	6.82	3.68	20393	1.10	Tiamulin
4.	4.306	5.70	5.11	21796	1.19	Clindamycin
5.	4.933	66.75	0.00	23112	1.12	Trimethoprim

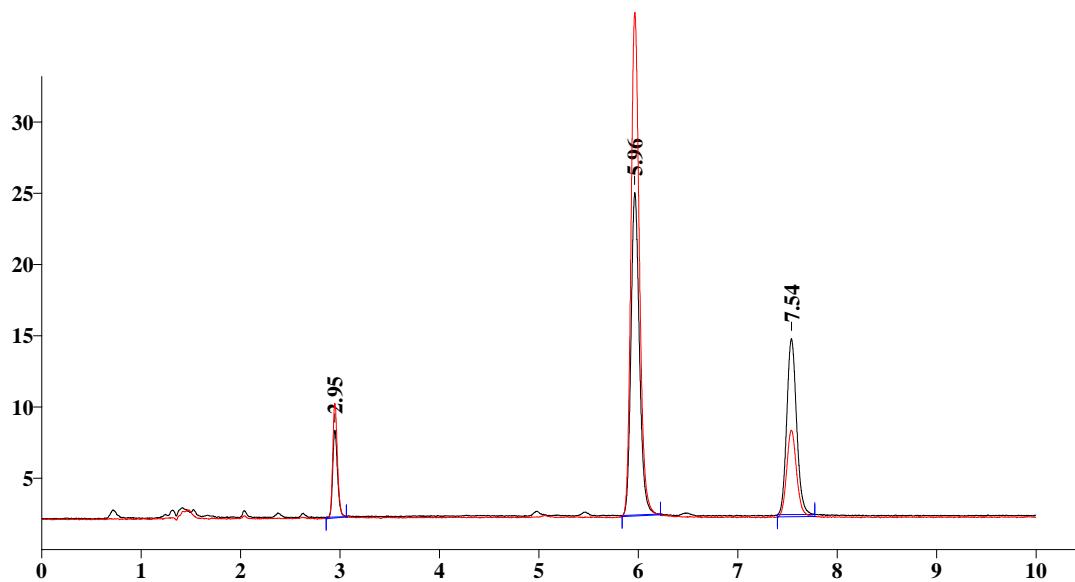
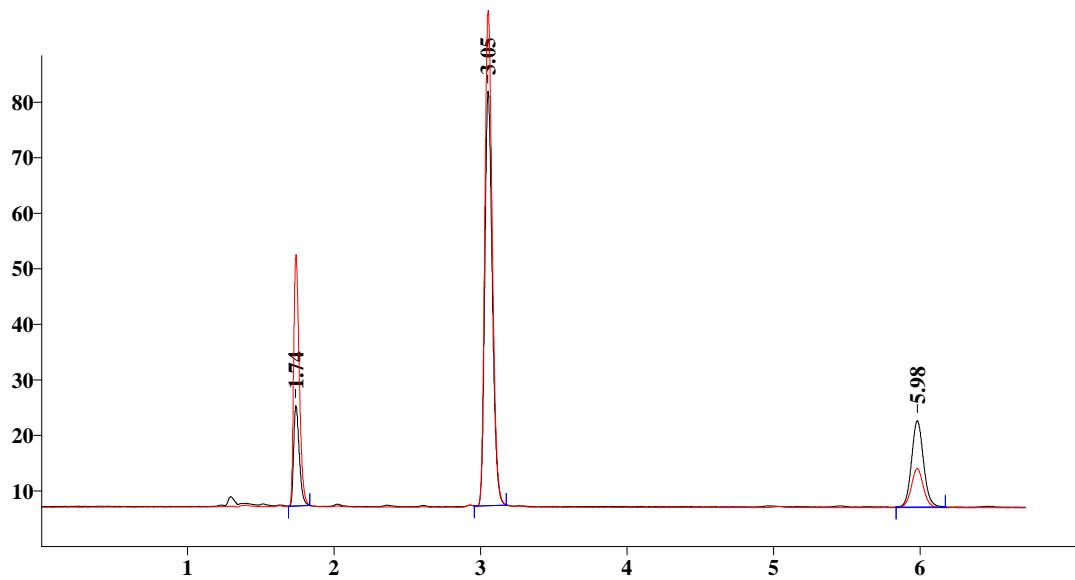
Five Inhalation Drugs: 6 min.

isocratic HPLC Separation



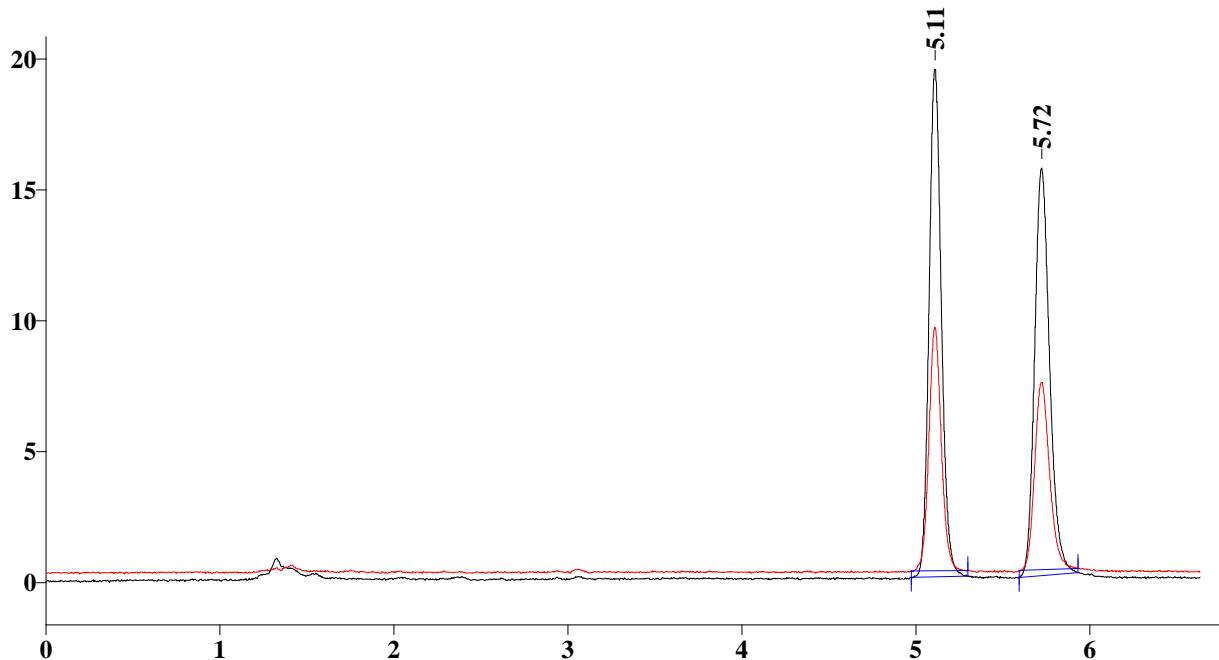
- | | | | | |
|----|-------|--------------|-------------|-----------------|
| 1. | 2.798 | 17437 | 1.23 | Salmeterol |
| 2. | 3.615 | 21209 | 1.14 | Fenoterol |
| 3. | 4.515 | 23193 | 1.13 | Ambroxol |
| 4. | 5.164 | 23733 | 1.18 | Salbutamol |
| 5. | 5.593 | 20125 | 1.41 | Ipratropium |

Nucleosides & Nucleic Bases: 8 min.
isocratic HPLC Separation



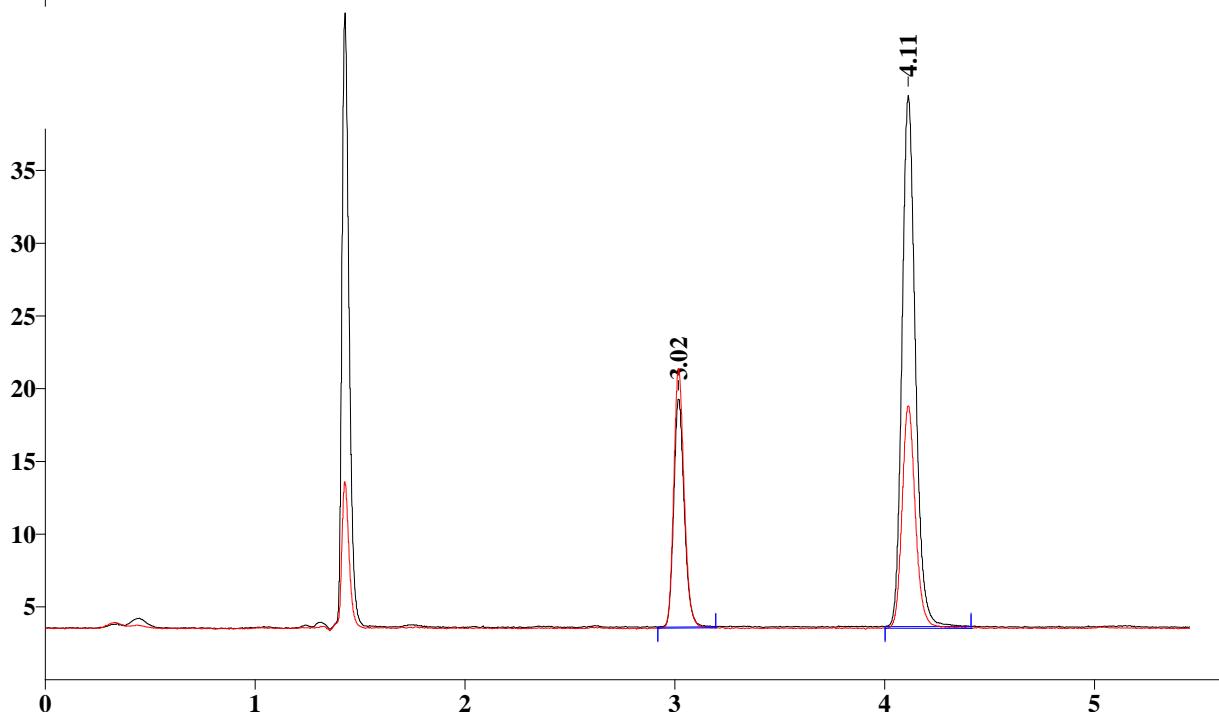
1.	1.730	10930	1.39	Guanosine
2.	2.948	19816	1.23	Guanine
3.	3.037	18113	1.23	Adenosine
4.	5.964	26067	1.11	Cytidine
5.	5.965	24825	1.20	Adenine
6.	7.539	28636	1.13	Cytosine

Lamivudine / Abacavir Drug Combination: 6 min.
isocratic HPLC Separation



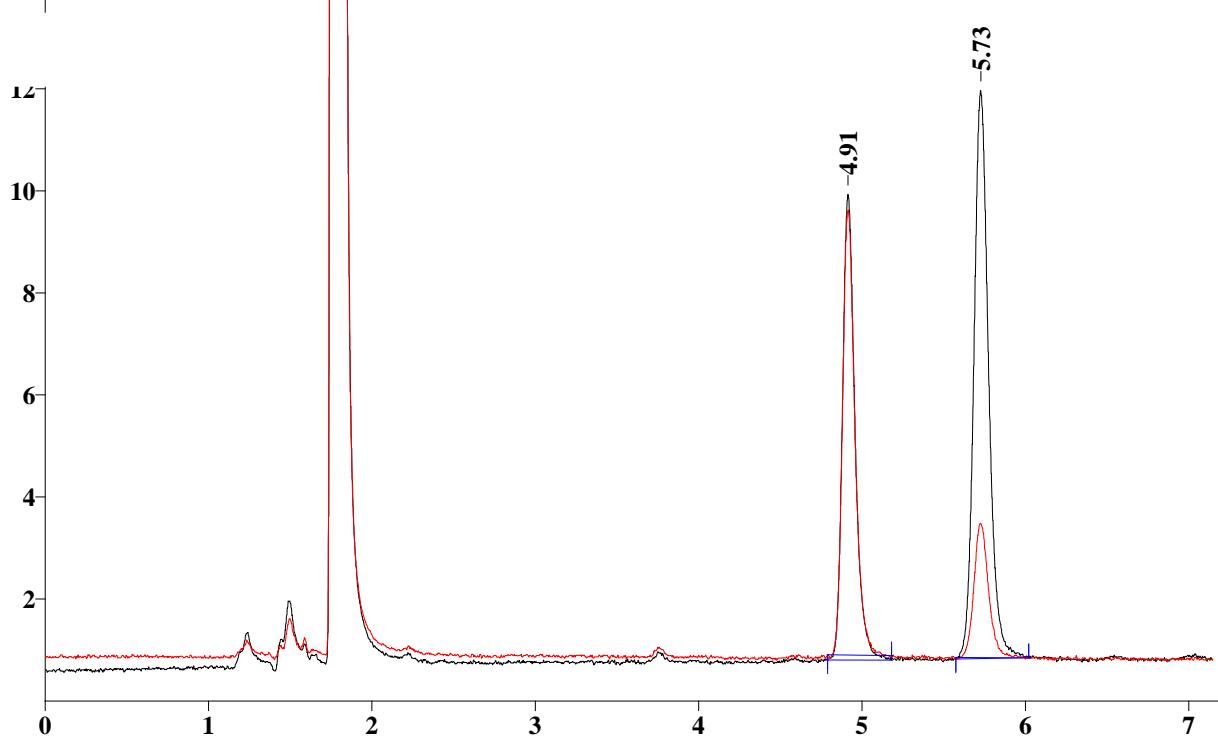
1. 5.110 26061 1.13 Lamivudine
2. 5.722 21810 1.23 Abacavir

Verapamil / Bisoprolol Drug Combination: 4 min.



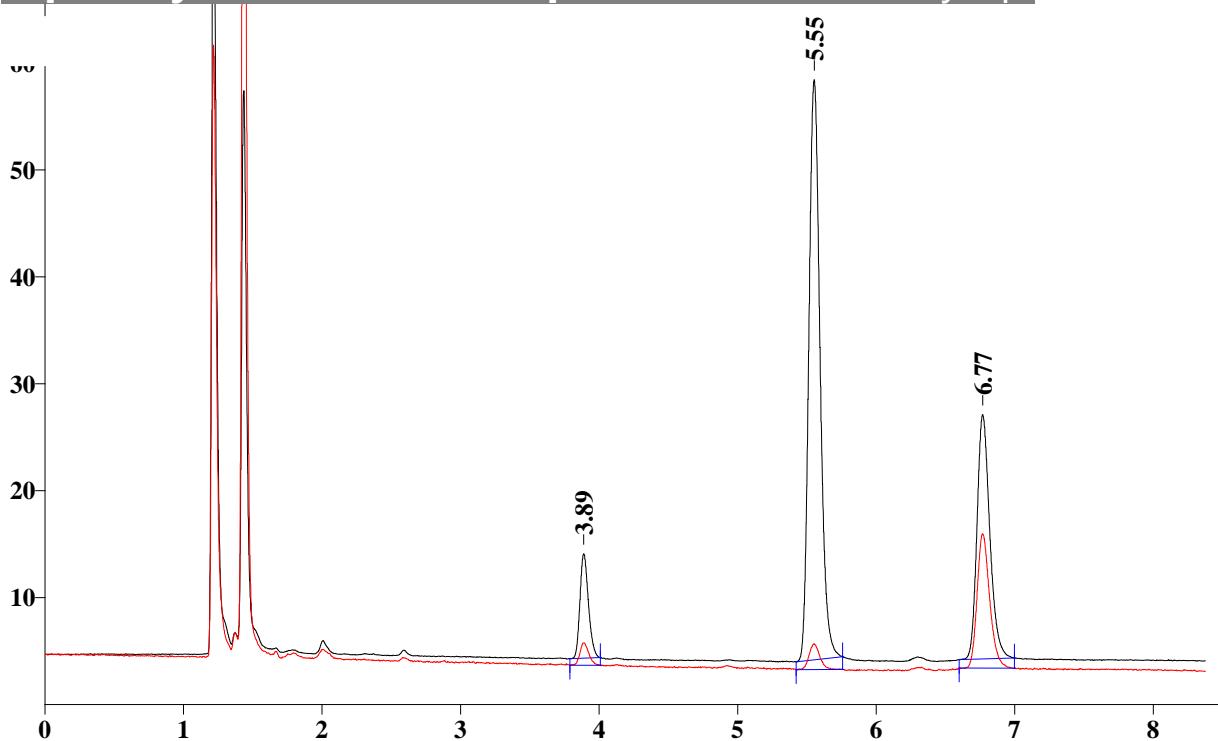
1. 3.017 18151 1.23 Verapamil
2. 4.112 21239 1.19 Bisoprolol

Two Anesthetic Drugs In Ointment: 6 min.



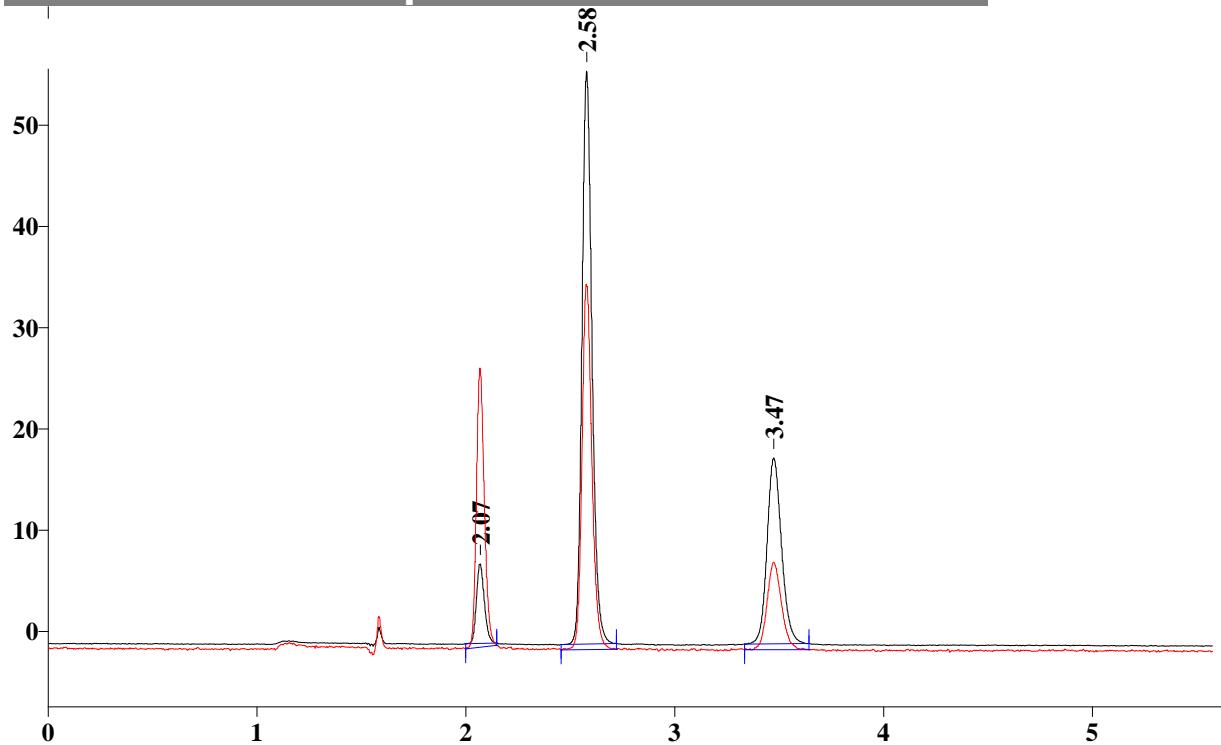
1. 4.914 5.56 21198 1.32 Tetracaine
2. 5.726 0.00 21009 1.17 Lidocaine

Diphenhydramine/Pseudoephedrine/Codeine Syrup: 7 min.



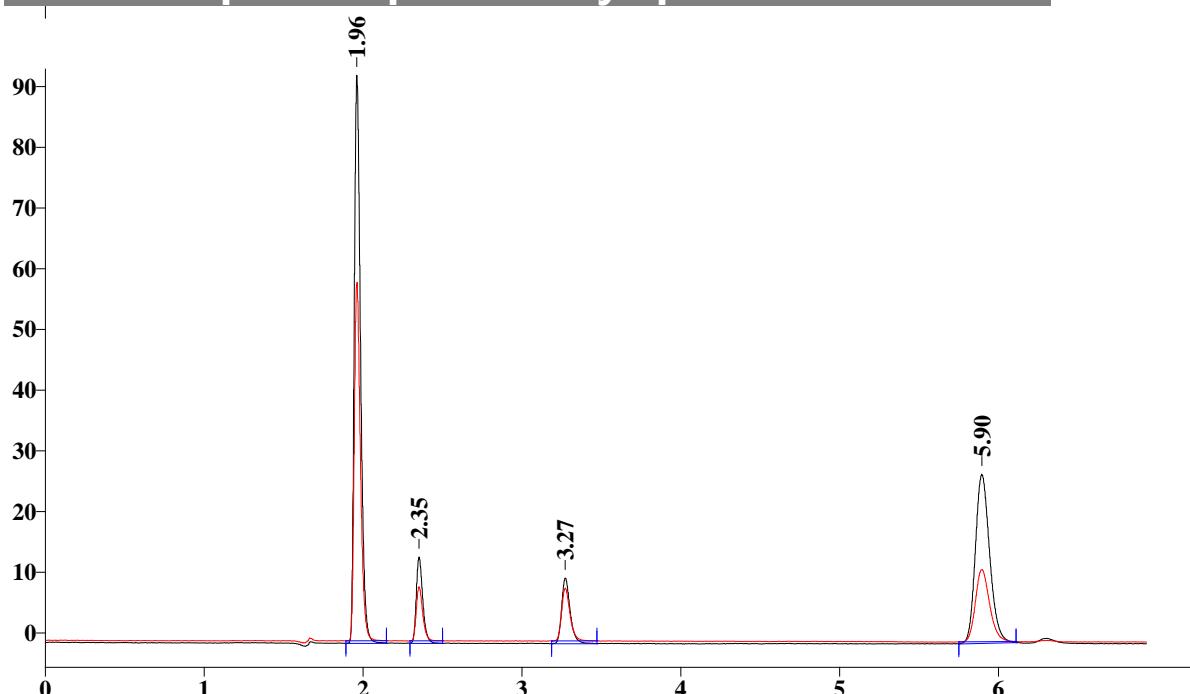
1. 3.890 19803 1.20 Diphenhydramine
2. 5.552 23051 1.19 Pseudoephedrine
3. 6.768 27006 1.24 Codeine

Caffeine/Acetaminophen/Ascorbate Combination: 3.5 min.



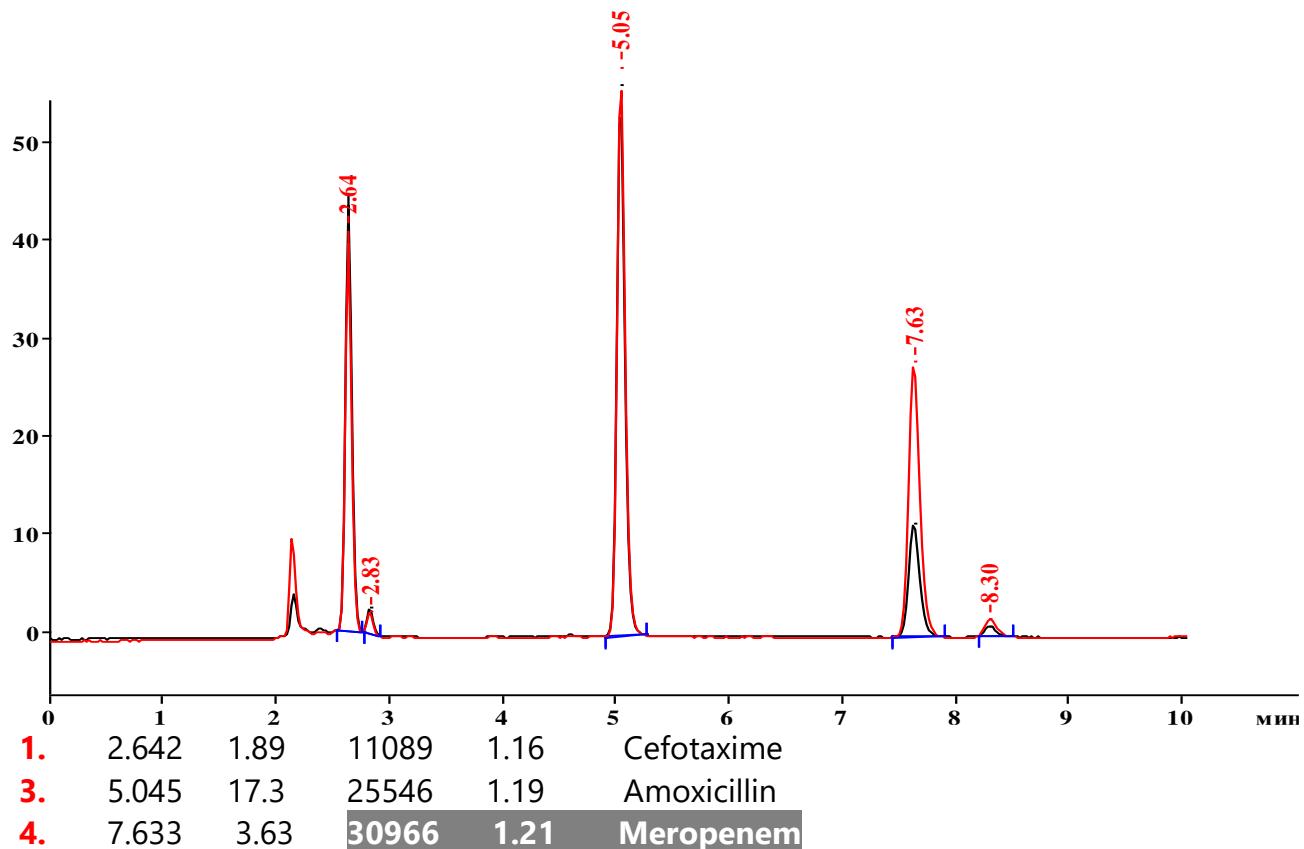
1.	2.068	6.62	14440	1.18	Caffeine
2.	2.578	8.57	14570	1.17	Acetaminophen
3.	3.473	0.00	12532	1.16	Ascorbic Acid

Acetaminophen/Aspirin/Phenylephrine Combination: 6 min.

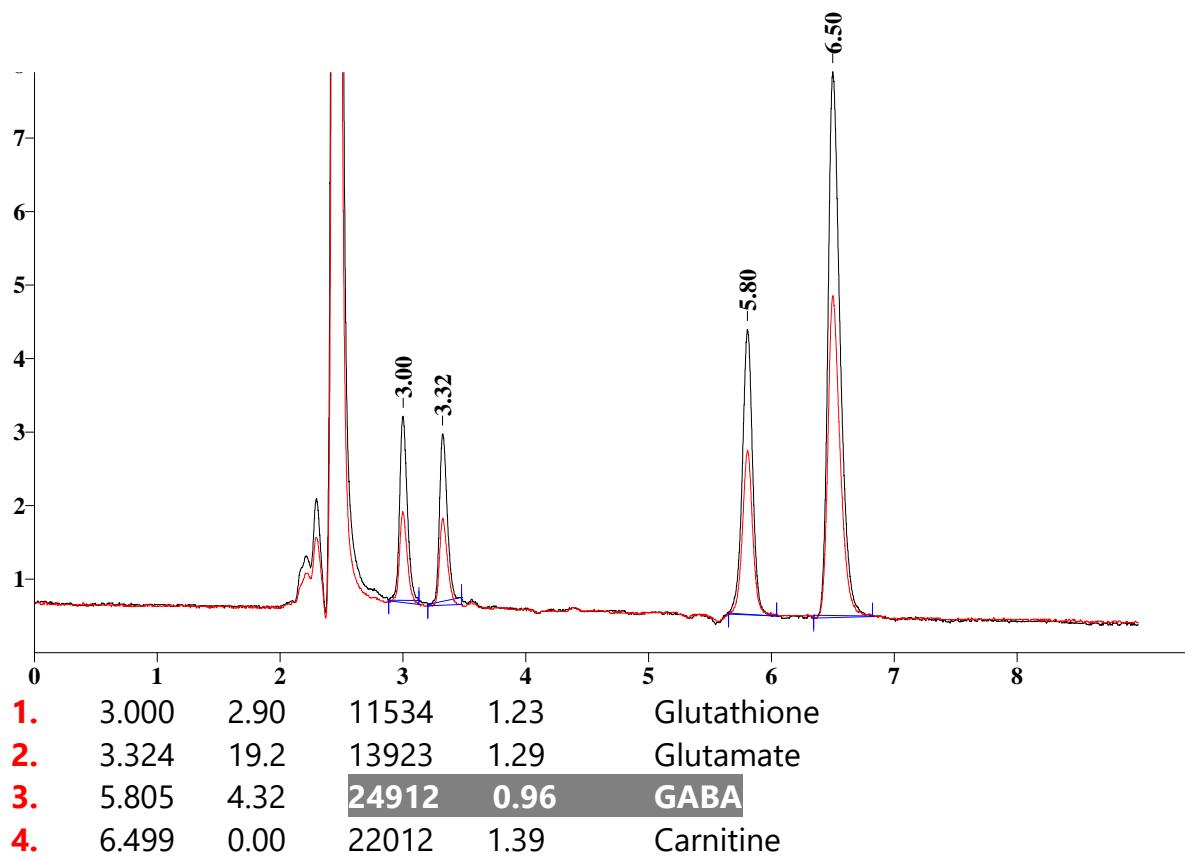


1.	1.960	5.81	14676	1.38	Acetaminophen
2.	2.352	11.2	17667	1.34	Guaifenesin
3.	3.273	20.5	19397	1.33	Acetylsalicylic Acid
4.	5.895	0.00	21014	1.21	Phenylephrine

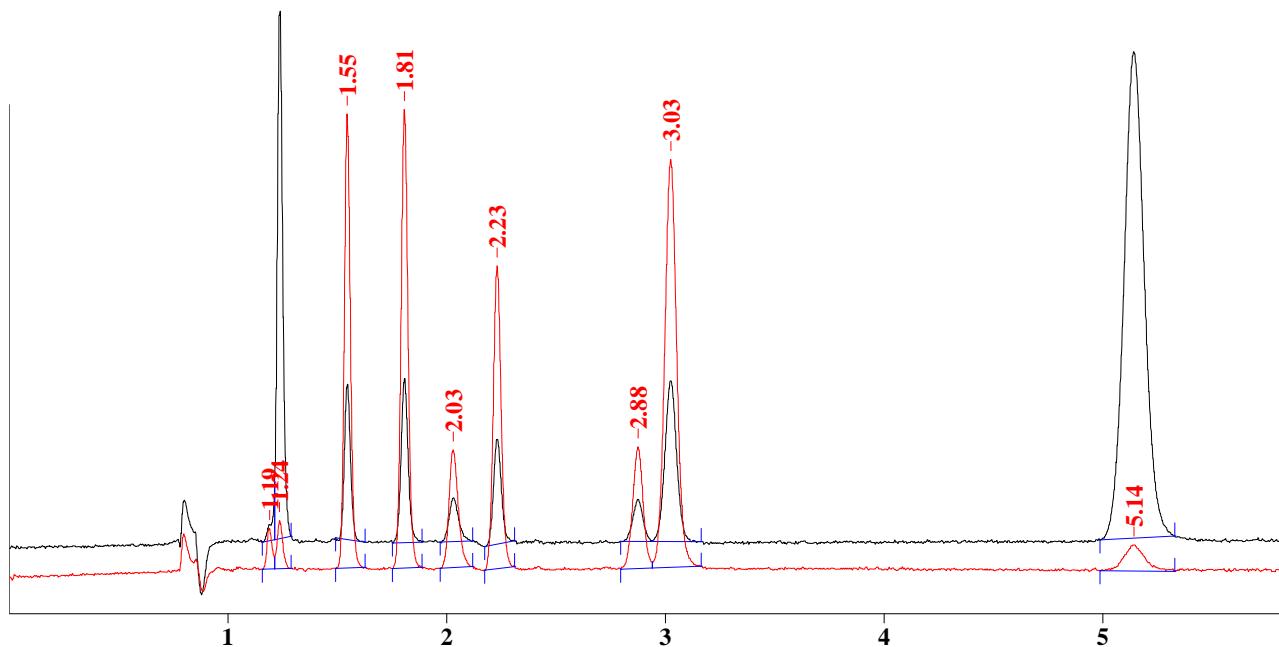
Three β -Lactam Antibiotics of Different Subclasses: 8 min.



Non-standard Amino Acids & Carnitine: 7 min.



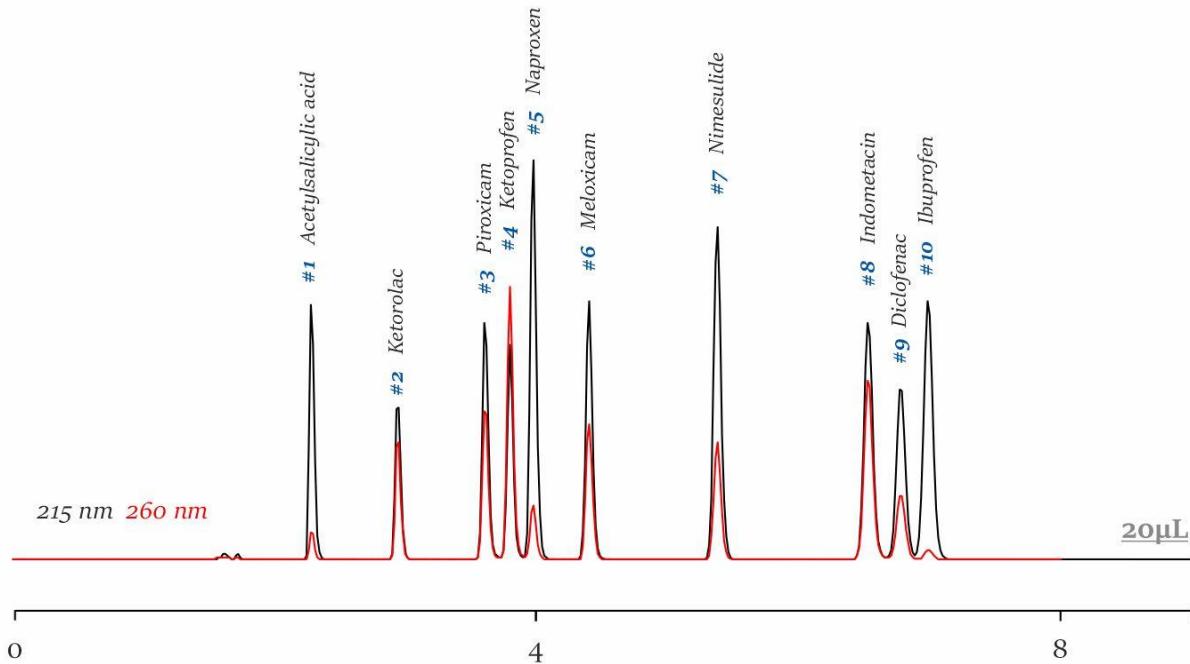
Nine Neutral & Acidic Preservatives: 5.5 min.
isocratic HPLC Separation



1.	1.189	1.07	12652	1.04	Benzyl Alcohol
2.	1.236	6.51	11330	1.29	Dehydroacetic Acid
3.	1.545	4.97	16165	1.15	Methyl Paraben
4.	1.807	3.39	15993	1.09	Ethyl Paraben
5.	2.031	2.88	11701	1.23	p-Hydroxybenzoic Acid
6.	2.231	8.54	19180	1.09	Propyl Paraben
7.	2.876	1.61	17540	1.14	Butyl Paraben
8.	3.025	15.8	14899	1.06	Sorbic Acid
9.	5.143	0.00	14841	1.00	Benzoic Acid

Isocratic Separation of Ten NSDAIDs - Nonsteroidal Anti-Inflammatory Drugs

##	Name	RT	PC	AF
#1	Aspirin	2.28	18'600	1.25
#2	Ketorolac	2.93	24'000	1.20
#3	Piroxicam	3.60	30'000	1.15
#4	Ketoprofen	3.79	32'800	1.15
#5	Naproxen	3.97	35'000	1.15
#6	Meloxicam	4.39	36'000	1.15
#7	Nimesulide	5.37	43'100	1.15
#8	Indometacin	6.52	44'000	1.10
#9	Diclofenac	6.77	46'000	1.10
#10	Ibuprofen	6.98	49'200	1.10



M7/o1

Isocratic HPLC Separation of Six Water Soluble Vitamins & Their Phosphates

#	Name	RT	PC	AF
#1	Riboflavin (B2)	2.19	12'100	1.25
#2	Pyridoxine (B6)	2.40	14'300	1.05
#3	Ascorbic Acid (C)	3.01	12'700	1.15
#4	Folic Acid (B9)	3.53	10'700	1.20
#5	B2-phosphate #1	5.58	-	-
#6	B2-phosphate #2	5.74	-	-
#7	B2-phosphate #3	6.19	11'300	1.15
#8	B6-phosphate	7.88	11'400	1.20

