

# COMPARATIVE DIGESTIVE POWER OF PEPSINS!

R. H. Chittenden, Ph. D., Professor of Physiological Chemistry at Yale University, read a paper entitled "Observations on the Digestive Ferments," before a section of the New York Academy of Medicine, January 23rd, 1889, which was published in the *Philadelphia Medical News*, February 15th, 1889.

This gives an able comprehensive review of the whole subject, of the investigations of other observers from the discovery of the digestive ferments to the present time and of the experiments of the author, from which he reaches the following conclusions:

"As a final result then we may consider the true proteolytic power of the following Pepsins compared with one of the highest digestive power to be as follows:—

## RELATIVE PROTEOLYTIC ACTION.

1. Parke, Davis & Co.'s Pepsinum Purem in Lamellis.....	100	5. Ford's Pepsin in Scales.....	32
2. Fairchild's Pepsin in Scale.....	52	6. Horth's Pure Pepsin.....	16
3. Scheffer's Dry Pepsin Concentrated.....	48	7. Boudault's Pepsin.....	14
4. Lender's Crystal Pepsin.....	35	8. Royal Chemical Co.'s Pure Pepsin.....	9

"As to the actual strength of these preparations, 1 milligram of the strongest pepsin converted into soluble products 198 milligrams of the pure dry albumen, which would be practically equal to 2000 parts of fluid egg-albumen."

Dr. John R. Winslow, Lecturer on Chemistry at the Women's Medical College, Baltimore, Md., read a paper before the Clinical Society of Maryland, January 18th, 1889, entitled "Pepsin and its Incompatibles with Exhibition of Tests." His conclusions are about the same as those of Professor Chittenden. From his article we quote the following table illustrating the comparative digestive power of different pepsins.

## EXHIBITION OF COMPARATIVE TESTS.

1, Parke, Davis & Co.'s; 2, Fairchild Bros. & Foster's; 3, Jensen's; 4, Boudault's; 5, Ford's; 6, Lehn & Fink's (German scale); 7, Merck's.

Reprints of these articles and other interesting literature on digestive ferments mailed to physicians on request.

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