



Comparison between HyServe Histamin kit and other commercial available Histamin detection methods

	HyServe	Histoman	Competitor kit from France	Competitor kit from US/UK	HPLC method (Conventional method)	AOAC Method (Conventional method)
Manufacturer	Kikkoman	Kikkoman				
Analytical Methodology	Enzymatic method	Enzymatic method by measuring dissolved oxygen	Enzyme immunoassay	Enzyme immunoassay	HPLC	Fluorometric method
Total Test Time with extraction	1 h	1 h	1.5 h	35 min*	> 6 h	> 6 h
Detection range	20 ~ 1000 ppm	5 ~ 200 ppm	1 ~ 500 ppm	2.5 ~ 50 ppm	0.1 ppm ~	50 ppm ~
Reproducibility	Good	Excellent	Variation may come out.	/	Excellent	Variation is large.
Sensitivity	Accurate	More accurate	Almost accurate Standard curve is not liner.	/	More Accurate	Almost accurate A technical factor is high.
Sample pretreatment	Water extraction or sometimes Boiling extraction Centrifuge or filter paper filtration	Boiling extraction Filter paper filtration	Water extraction Centrifuge or filter paper filtration	Water extraction Centrifuge or filter paper filtration	Acid extraction Membrane filter filtration	Methanol extraction Carrying out an ion exchanges resin column treatment
Standard (points)	Necessary (1)	Not necessary	Necessary (5)	Necessary (5 or 6)	Necessary	Necessary (4)
Procedure	Simple	Somehow complicated (Preparation of analytical apparatus)	Somehow complicated (Many procedures)	Somehow complicated (Many procedures)	Complicated (Preparation of analytical apparatus)	Complicated (Many procedures, Reagent: ready to use)
Simplicity	excellent	normal	normal	normal	Complicated	Complicated
Rapidity	excellent	excellent	good	excellent	slow	slow

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* Time by the leaflet