Mucoprotein (A1G)

A kit for the quantitative determination of Mucoprotein (1-Acid Glycoprotein) in human serum
Method endpoint immunoturbidimetric

PRINCIPLE
As in the early acute phase reactive AGP is particularly useful in the monitoring of recurrent tumors. The levels are also useful in the differentiation of acute phases (high levels) the effects of estrogen (normal or decreased). In addition is a good protein for measurement of haptoglobin in hemolysis tests in vivo. A high level of AGP with normal haptoglobin suggests an acute phase with mild or moderate hemolysis in vivo.

SAMPLE
Fresh serum.

Notes
If the test is not performed during the day, store the serum at 2-8 ° C for 48 hours.
For longer periods, serum should be frozen.

REAGENTS
R1 Buffer: Phosphate buffer pH 7:43; polyethylene glycol 60 g / l; firm azide 0.95 g / l
Antiserum R2: Phosphate buffer pH 7:43; polyclonal goat anti-human mucoproteins (variable); sodium azide 0.95 g / l.

Note
Depending on the application the R1 reagent could be in excess.

SAFETY PRECAUTIONS
- Polyethylene glycol is not dangerous.
☣ *Each donor used for the preparation of standards and controls has been checked for the presence of HIV (1/2) and Hepatitis B / C, according to methods approved by the FDA, and has been found to be negative. However, the material must be treated as potentially infectious. Caution*: The reagents contain sodium azide. Avoid ingestion and contact with skin, eyes and mucous membranes. Sodium azide can cause explosions in contact with lead. Rinse thoroughly discharges.

VALUES
Men	50-130 mg / dl (IFCC)
Women	40-120 mg / dl

This range is given for orientation only; each laboratory should establish its own reference levels.

PREPARATION OF REAGENTS
The reagents are liquid and ready to use.

STORAGE AND STABILITY
- The reagents are stable until the expiry date when stored at 2-8 ° C.
- The on-board stability is 28 days if protected from contamination.
- Do not freeze.

QUALITY CONTROL
And 'necessary to carry out the checks each time you use the kit and verify that the values are within the reference range.
Suggested serum: Immunology control

WASTE DISPOSAL
The product should be disposed of according to local regulations on waste management.

PROCEDURE For SPECTRA 8P
Wavelength	: 340 nm
Operating Temperature	37 ° C
Optical path	1 cm
Type of reaction	end point increase

PROCEDURE SPECTRA 8P
1)Dispense 580 µl of reagent 1 in a cuvette provided.
2) Preheat for 30 sec cuvette containing reagent.
3) Add 5 µl of sample and stir gently for a few seconds.
4)Incubate for 270 seconds in the incubation chamber of the photometer (SPECTRA 8P) and type the Enter key

CALCULATION OF RESULTS
The photometer SPECTRA 8P automatically performs the calculation of the results that will appear on the display after the automatic procedure and after the beep. These results can be printed using integrated thermal printer to the instrument.

CALIBRATION
The reagents in the kit have already been calibrated. The calibration values are stored in the smart card in the kit and are only valid for the lot on the label of the Smart Card Each kit can be used with your SmartCard provided.

PERFORMANCES
The performances were measured on Cobas Mira analyzer.
*Range of measurement*0 - 300 mg / dl
Limit of sensitivity: 4 mg / dl
Prozone effect:> 600 mg / dl
Sensibility: 0.0023 ABS unit / units of concentration

Precision% CV

	Low	Average	High
Intra-Run	4.66	1:14	2:45
Inter-Run		2:55	

Accuracy mg / dl

Control	Theoretical value	Value obtained
Biorad 1	46 (37-55)	44.4
Biorad 2	110 (88-132)	102.3

Specificity: Monospecific.

Interference:
Hemoglobin did not interfere up to 1000 mg / dl. The sodium citrate do not interfere up to 1000 mg / dl. The heparin does not interfere up to 50 mg / dl.
Bilirubin does not interfere up to 20 mg / dl.
Triglycerides do not interfere up to 2500 mg / dl.

Limitations: None
Correlation with Nephelometry: Y = 1.1554 x - 9.1048 r = 0.9958

Stability at 4 ° C : At least three years after production.

REFERENCES
Schmid, K. FW Putman, Editor, The Plasma Proteins, Vol 1, second edition, Academic Press, New York, 2975, pp184-228
Jonhson, A.M. et al., J. Clin. Invest., 48 (1969) 2293
Data, F. et al., Lab Med 13 (1989) 87

SYMBOLS
Consult instructions for use ☣ Biohazard
CE mark (in compliance with the requirements of the Directive, 98/79/EC) **Storage temperature limits**
IVD **In Vitro Diagnostic Medical Device** Manufacturer.

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