
Methods for selected analytes

ALANINE AMINOTRANSFERASE

IFCC reference method 37°C

IFCC reference method without Pyroxidal-5-Phosphate

other methods 37°C

albumin

2-(4-hydroxyphenyl)-benzoic acid method

bromocresol green method

bromocresol purple method

kinetic nephelometry

other methods

Radioimmunoassay (RIA)

ALDOLASE

other methods 37°C

UV 37°C

ALKALINE PHOSPHATASE

other methods 37°C

p-Nitrophenylphosphate/ AMP 37°C

ALPHA AMYLASE

blocked maltoheptaoside methods; 2-chloro PNP 37°C

blocked maltoheptaoside methods; CNPG 3 37°C

blocked maltoheptaoside methods; EPS-G7 liquid 37°C

blocked maltoheptaoside methods; maltotetraose 37°C

other blocked maltoheptaoside methods 37°C

other methods 37°C

ALPHA HYDROXYBUTYRATE

other methods 37°C

standard 37°C

AMYLASE.PANCREATIC

EPS-G7;liquid 37°C

IFCC reference method 37°C

measurement temperature 37°C

ASPARTATE AMINOTRANSFERASE

IFCC reference method 37°C

IFCC reference method without Pyroxidal-5-Phosphate37°C without

other methods 37°C

BILIRUBINS TOTAL

azobilirubin according to Dumas

azobilirubin according to Jendrassik-Grof

Diazo method with dichloroaniline (DCA)

Dichlorophenyl Diazonium method (DPD)

other methods

Calcium

atom absorption spectrometry (AAS)

flame photometry

methylthymol blue method

o-cresolphthalein complexon method

other methods

Calcium ionized

ion-selective electrode (ISE)

Calcium total

ion-selective electrode (ISE)

CHLORIDE

coulometry

enzymatic methods

ISE; potentiometry direct

ISE; potentiometry indirect

mercuric thiocyanate method

mercuric tripyridyl-1,3,5-triazin method

other methods

titrimetry/ mercurimetry

CHOLESTEROL

Cholesterol oxidase method (CHOD/ PAP)

Cholesterol oxidase/ Catalase method

enzymatic colorimetry

other methods

CHOLINESTERASE

Butyrylthiocholiniodide 37°C

other methods 37°C

copper

atom absorption spectrometry (AAS)

Bathocuproin method with deproteinization

other methods

CREATINE KINASE

IFCC reference method 37°C

other methods 37°C

CREATININE

Alkaline picrate with deproteinization (Jaffe)

Alkaline picrate without deproteinization (Jaffe)

Creatin kinase enzymatic UV method

enzymatic PAP method; enzymatic colorimetry

method according to Jaffe; kinetic

other methods

trichloroacetic acid method; after dialysis

DIRECT BILIRUBIN

azobilirubin according to Dumas

azobilirubin according to Jendrassik-Grof

Diazo method with dichloroaniline (DCA)

Dichlorophenyl Diazonium method (DPD)

other methods

erythrocytes

automated count; electronic impulse

automated count; optical impulse

manual count; counting chamber

other methods

photometry; scattered light

GAMMA GLUTAMYL TRANSFERASE

IFCC reference method 37°C

other methods 37°C

GLUCOSE

glucose dehydrogenase; UV method

glucose oxidase; amperometric titration

glucose oxidase; GOD-PAP-method

glucose oxidase; other methods

glucose oxidase; polarography

hexokinase method

other methods

toluidine method

GLUTAMATE DEHYDROGENASE

measurement temperature 37°C

HEMOGLOBIN

azidmethemoglobin according to Vanzetti

cyanide free reagent (SLS)

cyanide methemoglobin; other methods

hemoglobin; reduced

iron method

other methods
photometry; cyanide free

IgA

immunological with thinner
immunological without thinner
immunoradiometric assay (IRMA)
nephelometry
other methods
turbidimetry; "end point" without thinner
turbidimetry; "Fixed-time"
turbidimetry; "Peak Rate"
turbidimetry; other methods
turbidimetry;"end point" with thinner

IgG

immunological with thinner
immunoradiometric assay (IRMA)
nephelometry
other methods
turbidimetry; "end point" without thinner
turbidimetry; "Fixed-time"
turbidimetry; "Peak Rate"
turbidimetry; other methods
turbidimetry;"end point" with thinner

IgM

immunological with thinner
immunoradiometric assay (IRMA)
nephelometry
other methods

turbidimetry; "end point" without thinner

turbidimetry; "Fixed-time"

turbidimetry; "Peak Rate"

turbidimetry; other methods

turbidimetry; "end point" with thinner

iron

colorimetry; ferene/ ferrozine method

other methods

tripyriddy triazin method

LACTATE

enzymatic method

enzymatic method with deproteinization

enzymatic/ amperometric method

other methods

LACTATE DEHYDROGENASE

IFCC reference method 37°C

other methods 37°C

LEUKOCYTES

automated count; electronic impulse

automated count; electronic impulse together with erythrocytes

automated count; optical impulse

automated count; smear

manual count; counting chamber

other methods

lithium

atom absorption spectrometry (AAS)

flame photometry

ISE; potentiometry direct
ISE; potentiometry indirect
other methods

MAGNESIUM

atom absorption spectrometry (AAS)
calmagite method
complexometry
methylthymol blue method
other methods
xylydyl blue method

OSMOLALITY

freezing point depression
other methods
vapour pressure

PHOSPHATE

amoniummolibdate vanadate method
enzymatic methods
molybdenum blue method after dialysis
other methods
phosphomolybdate reduction UV

PLATELETS

automated count; electronic impulse after flotation
automated count; optical impulse after flotation
automated count; optical impulse together with erythrocytes
automated count; smear
manual count; counting chamber; bright field
manual count; counting chamber; phase-contrast
manual count; smear (according to Fonio)
other methods

POTASSIUM

atom absorption spectrometry (AAS)
enzymatic methods
flame photometry
ISE; potentiometry direct without specimen thinner
ISE; potentiometry indirect with specimen thinner
other methods

protein fraction

electrophoresis; agarose gel; paragon blue
electrophoresis; cellulose acetat coatet film; paragon blue
electrophoresis; other dye
electrophoresis; paragon blue

protein fractions

electrophoresis; agarose gel; amido black
electrophoresis; agarose gel; Ponceau red/Ponceau-S
electrophoresis; cellulose acetat coatet film; amido black
electrophoresis; cellulose acetat coatet film; Ponceau red/Ponceau-S
electrophoresis; naphtol blue black = amido black
electrophoresis; Ponceau red/Ponceau-S

sodium

atom absorption spectrometry (AAS)
enzymatic methods
flame photometry
ISE; potentiometry direct without specimen thinner
ISE; potentiometry indirect with specimen thinner
other methods

total iron binding capacity (TIBC)

other methods
saturation with iron; Bathophenanthroline method
saturation with iron; ferene/ ferrozine method
saturation with iron; tripyridyl triazin method

TOTAL PROTEIN

biuret reaction with
biuret reaction without
other methods

TRANSFERRIN

immune methods
nephelometry
other methods
radial immune diffusion (RID)
turbidimetry; "end point" method
turbidimetry; "fixed time" method
turbidimetry; "Peak Rate" method
turbidimetry; laserphotometer
turbidimetry; other methods

TRIACYLGLYCEROL LIPASE

enzymatic colorimetry 37°C
enzymatic colorimetry; liquid 37°C
immunological test 37°C
other methods 37°C
Turbidimetry 37°C

TRIGLYCERIDE

enzymatic colorimetry
enzymatic colorimetry with Glycerol correction
enzymatic colorimetry without Glycerol correction
GPO/ PAP method
Lipase/ Glycerol Kinase UV end point with Glycerol correction
Lipase/ Glycerol Kinase UV end point without Glycerol correction
other methods

URATE

enzymatic colorimetry according to Trinder/Fossati

other methods

phosphoryl tungstic acid method

uricase UV method (293/ 297 nm)

Uricase/ Catalase (Kageyama) method

Uricase/ Catalase/ Aldehyde Dehydrogenase method

Uricase/ Peroxidase enzymatic colorimetry

UREA

Diacetylmonoxim reaction

other methods

Urease Berthelot method

Urease/ Glutamate dehydrogenases UV method