



The results doctors count on start with the assays you trust.



The science of knowing shapes the art of living.

Ortho Clinical Diagnostics

PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

VITROS®

VITROS® Menu of Assays

VITROS® ECI/ECiQ Immunodiagnostic Systems

VITROS® 3600 Immunodiagnostic System

VITROS® 350 Chemistry System

VITROS® 5,1 FS Chemistry System

VITROS® 4600 Chemistry System

VITROS® 5600 Integrated System

Cardiac

Cholesterol ¹	+	+	+	+
CKMB	+	+	+	+
Direct HDL ¹	+	+	+	+
LDH	+	+	+	+
Total CK	+	+	+	+
Triglycerides	+	+	+	+
Apolipoprotein A1 ²	+	+	+	
Apolipoprotein B ⁵	+	+	+	
Direct LDL ¹	+	+	+	
Homocysteine ^{4,5}	+	+	+	
hsCRP	+	+	+	
CKMB Mass	+			+
Myoglobin	+			+
NT-proBNP	+			+
Troponin I ES	+			+

Diabetes

Creatinine	+	+	+	+
Glucose	+	+	+	+
Urea	+	+	+	+
d%A1c	+	+	+	
Microalbumin ⁶	+	+	+	

Drugs of Abuse (Urine)

Amphetamines	+	+	+	
Barbiturates	+	+	+	
Benzodiazepines	+	+	+	
Cocaine Metabolites	+	+	+	
Methadone	+	+	+	
PCP	+	+	+	
THC	+	+	+	
Opiate	+	+	+	
DRI [†] Ecstasy [†]	+	+	+	

Prenatal

Total β-hCG Generation II	+			+
AFP	+			+
Rubella IgG	+			+
HBsAg	+			+
Anti-HIV 1+2	+			+

Immunosuppressant Drugs[†]

CEDIA® Cyclosporin [†]	+	+	+	
CEDIA® Mycophenolic Acid [†]	+	+	+	
CEDIA® Tacrolimus [†]	+	+	+	

Reproductive

Estradiol	+			+
FSH	+			+
TSH 3 rd Gen	+			+
LH	+			+
Progesterone	+			+
Prolactin	+			+
Testosterone	+			+
Total β-hCG Generation II	+			+

VITROS® ECI/ECiQ Immunodiagnostic Systems

VITROS® 3600 Immunodiagnostic System

VITROS® 350 Chemistry System

VITROS® 5,1 FS Chemistry System

VITROS® 4600 Chemistry System

VITROS® 5600 Integrated System

Therapeutic Drug Monitoring

Carbamazepine	+	+	+	+
Digoxin	+	+	+	+
Lithium	+	+	+	+
Phenobarbital	+	+	+	+
Phenytoin	+	+	+	+
Theophylline	+	+	+	+
Caffeine	+	+	+	
Gentamicin	+	+	+	
Tobramycin	+	+	+	
Valproic Acid	+	+	+	
Vancomycin	+	+	+	
QMS® Amikacin [†]	+	+	+	

Infectious Disease[‡]

Anti-HIV 1+2	+			+
Anti-HCV	+			+
Anti-HBc	+			+
Anti-HBc IgM	+			+
HBsAg	+			+
HBsAg ES	+			+
Anti-HBs	+			+
Anti-HAV IgM	+			+
Anti-HAV Total	+			+
HBeAg	+			+
Anti-HBe	+			+
Toxoplasma IgG	+			+
Toxoplasma IgM	+			+
Rubella IgG	+			+
Rubella IgM	+			+
CMV IgG	+			+
CMV IgM	+			+
Anti-HIV 1+2 Ag/Ab Combo	D			D
Syphilis	+			+

Hepatic

Albumin ⁷	+	+	+	+
ALP ⁷	+	+	+	+
ALT ⁷	+	+	+	+
Ammonia	+	+	+	+
AST	+	+	+	+
BuBC	+	+	+	+
Cholinesterase	+	+	+	+
GGT	+	+	+	+
Total Bilirubin	+	+	+	+
Alpha 1-Antitrypsin	+	+	+	
IgA	+	+	+	
IgG	+	+	+	
IgM	+	+	+	
Prealbumin	+	+	+	

Toxicology

Acetaminophen	+	+	+	+
Alcohol	+	+	+	+
Cholinesterase	+	+	+	+
Salicylate	+	+	+	+

+ = Available method

D = In development—not available

[†]Manufacturer Validated Applications

[‡]HIV and Hepatitis co-developed with Novartis Vaccines and Diagnostics Inc.

⁷CA 125 II, CA 15-3, and CA 19-9 are trademarks of Fujirebio Diagnostics, Inc.

[†]CEDIA®, DRI®, and QMS® are registered trademarks of Thermo Fisher Scientific and its subsidiaries.

VITROS® ECI/ECiQ Immunodiagnostic Systems				
VITROS® 3600 Immunodiagnostic System				
VITROS® 350 Chemistry System				
VITROS® 5,1 FS Chemistry System				
VITROS® 4600 Chemistry System				
VITROS® 5600 Integrated System				

Nutritional Assessment

Albumin	+	+	+	+
Iron	+	+	+	+
Total Protein	+	+	+	+
Direct TIBC	+	+	+	
Prealbumin	+	+	+	
Transferrin ⁶	+	+	+	
Ferritin	+			+ +
Folate	+			+ +
Vitamin B12	+			+ +

Anemia

Iron	+	+	+	+
Direct TIBC	+	+	+	
TIBC			+	+
Haptoglobin	+	+	+	
Transferrin ⁶	+	+	+	
Ferritin	+			+ +
Folate ¹⁰	+			+ +
Vitamin B12	+			+ +
25-OH Vitamin D Total	D			D D

Lipids

Cholesterol	+	+	+	+
Direct HDL	+	+	+	+
Triglycerides	+	+	+	+
Apolipoprotein A1	+	+	+	
Apolipoprotein B	+	+	+	
Direct LDL	+	+	+	

Thyroid/Metabolic

Free T3	+			+ +
Free T4	+			+ +
Cortisol	+			+ +
T3 Uptake	+			+ +
Total T3	+			+ +
Total T4	+			+ +
TSH 3 rd Gen	+			+ +
Intact PTH	+			+ +

Renal

Albumin ⁷	+	+	+	+
Calcium	+	+	+	+
Carbon Dioxide	+	+	+	+
Chloride	+	+	+	+
Creatinine	+	+	+	+
Glucose	+	+	+	+
Phosphorus	+	+	+	+
Potassium	+	+	+	+
Sodium	+	+	+	+
Urea	+	+	+	+
Uric Acid	+	+	+	+
Urine Protein	+	+	+	+
Microalbumin	+	+	+	

VITROS® ECI/ECiQ Immunodiagnostic Systems				
VITROS® 3600 Immunodiagnostic System				
VITROS® 350 Chemistry System				
VITROS® 5,1 FS Chemistry System				
VITROS® 4600 Chemistry System				
VITROS® 5600 Integrated System				

Respiratory

Carbon Dioxide	+	+	+	+
Chloride	+	+	+	+
Potassium	+	+	+	+
Sodium	+	+	+	+
Alpha 1-antitrypsin	+	+	+	
Caffeine	+	+	+	

Oncology*

Acid Phosphatase	+	+	+	
IgA ⁸	+	+	+	
IgG ⁹	+	+	+	
IgM ⁹	+	+	+	
AFP	+			+ +
CA 125 II TM	+			+ +
CA 15-3 TM	+			+ +
CA 19-9 TM	+			+ +
CEA	+			+ +
PSA	+			+ +
Total PSA II	D			D D
Free PSA	D			D D

Spinal

Glucose (csf)	+	+	+	+
Total Protein (csf)	+	+	+	+

Inflammatory

CRP ¹¹	+	+	+	+
ASO ¹²	+	+	+	
C3	+	+	+	
C4	+	+	+	
IgA	+	+	+	
IgG	+	+	+	
IgM	+	+	+	
RF	+	+	+	

Skeletal/Bone

NTx	+			+ +
Calcium	+	+	+	+
Phosphorus	+	+	+	+
ALP	+	+	+	+
Intact PTH	+			+ +

General Chemistry

Amylase	+	+	+	+
Calcium	+	+	+	+
Glucose	+	+	+	+
LDH	+	+	+	+
Lipase	+	+	+	+
Magnesium	+	+	+	+
Phosphorus	+	+	+	+
Total CK	+	+	+	+
Urea	+	+	+	+
Uric Acid	+	+	+	+

Pancreatic

Amylase	+	+	+	+
Lipase	+	+	+	+

NOTE: Please consult your Ortho Clinical Diagnostics sales representative for the optimal VITROS® System solution to accommodate your specific menu needs. Product availability subject to local regulatory requirements.

*Product availability subject to third party's or their agent's capability to support the customer. Reagents manufactured and validated applications by Thermo Fisher Scientific. Distributed by: Ortho Clinical Diagnostics.

For use outside the U.S.

References

1. Warnick GR, Myers GL, Cooper GR, Rifai N. Impact of the Third Cholesterol Report from the Adult Treatment Panel of the National Cholesterol Education Program on the clinical laboratory. *Clin Chem*. 2002;48(1):11-17.
2. Ritchie RF (ed). *Serum Proteins in Clinical Medicine*, Vol 1. Scarborough, ME: Foundation for Blood Research; 1996:12.01-12.05.
3. Sandkamp M. Apolipoprotein-Diagnostik: klinische Relevanz. (in German). *Diagnose & Labor*. 1990;40:37-43.
4. Sundström J, Sullivan L, D'Agostino RB, et al. Plasma homocysteine, hypertension incidence, and blood pressure tracking: the Framingham Study. *Hypertension*. 2003;42(6):1100-1105.
5. Zylberstein DE, Bengtsson C, Bjorkelund C, et al. Serum homocysteine in relation to mortality and morbidity from coronary heart disease: a 24-year follow-up of the population study of women in Gothenburg. *Circulation*. 2004;109(5):601-606.
6. Burtis C, Ashwood ER (eds). *Tietz Textbook of Clinical Chemistry*. 3rd ed. Philadelphia, PA: WB Saunders Co; 1995:355-357, 500-501.
7. Tietz NW, Pruden E, McPherson RA, Fuhrman SA (eds). *Clinical Guide to Laboratory Tests*, 3rd ed. Philadelphia, PA: WB Saunders Co; 1995:355-361.
8. National Committee on Clinical Laboratory Standards. Protection of laboratory workers from instrument biohazards and infectious diseases transmitted by blood, body fluids, and tissue: approved guideline. Wayne, PA: National Committee on Clinical Laboratory Standards; 1987.
9. Tietz NW (ed). *Fundamentals of Clinical Chemistry*, 3rd ed. Philadelphia, PA: WB Saunders Co; 1987:328-329, 369-371.
10. Chanarin I. *The Megaloblastic Anemias*. 3rd ed. Oxford, United Kingdom: Blackwell Science; 1990:6.
11. Gambino R. C-reactive protein—undervalued, underutilized. *Clin Chem*. 1997;43(11):2017-2018.
12. Ayoub EM, Harden E. Immune response to streptococcal antigens: diagnostic methods. In: *Manual of Clinical Laboratory Immunology*, 6th ed. Rose NR, Hamilton RG, Detrick B, eds. Washington, DC: American Society of Microbiology; 2002.