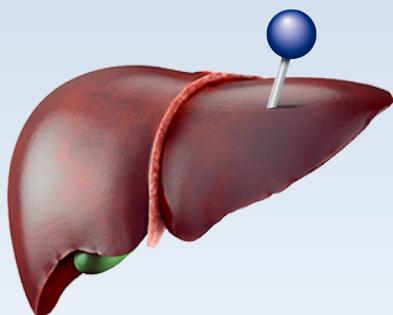


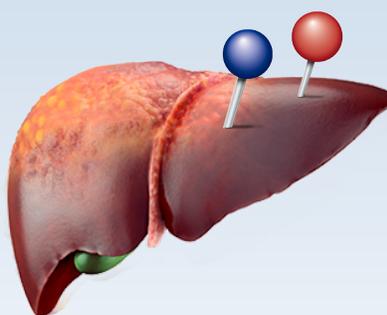
HEPATIC BIOMARKERS LET'S GET SPECIFIC

Liver
Marker

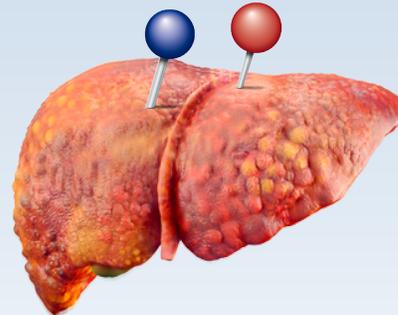
Healthy Liver



Progression to Disease



Diseased Liver



TOTAL SERUM BILE ACIDS – TBA

- A sensitive and specific liver function test that can be used to analyze the early stages of impaired liver function
- Significantly reduced interference compared to NBT methods
- Two reagent liquid stable advanced enzyme cycling method
- Diagnosis of Cholestasis can be made by doing a complete medical history, physical examination, and blood tests that evaluate liver function using total bile acids¹

5' NUCLEOTIDASE – 5'NT

- A specific marker for assessing liver disease progression
- Liquid stable with improved on-board and calibration stability
- The diagnostic value of 5'-NT has been shown to be superior to other liver enzymes, especially in cases of liver metastasis²⁻⁷

	TBA	5'NT
Method	Enzyme Cycling	Enzyme Cascade to Trinder Reaction
Traceability	UV spectrophotometric assay to predicate device	k-factor based on the enzymatic hydrolysis of 5'-monophosphate to H ₂ O ₂ via an enzyme cascade
Method Correlation to Predicate	R ² = 0.9918 y = 1.1563x - 0.8567	No higher order method
Precision	Intra-Assay Precision < 4% (CV) Inter-Assay Precision < 3% (CV)	Intra-Assay Precision < 2% (CV) Inter-Assay Precision ≤ 4% (CV)
Reagent On-Board Stability*	Four Weeks	Four Weeks
Calibrator	Liquid vial	Lyophilized vial
Sample Type	Serum, EDTA Plasma, Lithium Heparin Plasma	Serum, Plasma
Sample Volume	4 µL	10 µL
Linearity	1 to 180 µM	0 to 300 U/L
Regulatory Status	<ul style="list-style-type: none"> • 510(k) Cleared •  2797 • Health Canada Registered 	<ul style="list-style-type: none"> • 510(k) Exempt •  • Health Canada Registered

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*Analyzer Dependent

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