

## Health Care from the Beginning

### Your choice in HPLC & LC-MS/MS diagnostics

- + Certified and quality approved  
CE-IVD solutions
- + Participant of CDC-Quality Assurance  
Program
- + Preferred partner in more than  
80 countries



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NBS\_b\_dV1

**Newborn Screening and  
Detection of Metabolic Disorders**



## Dried Blood Spots (DBS)

### ClinMass® LC-MS/MS Complete Kit

#### Amino Acids and Acylcarnitines derivatised\*

- + Method according to CLSI NBS-04A
- + Reliable screening in 1.0 – 1.5 min.

#### Homocysteine

- + Determination of total homocysteine
- + Injection interval in 1.0 min.

## Plasma/Serum

### ClinMass® LC-MS/MS Complete Kit

#### Homocysteine

- + Total homocysteine determined
- + Simple and fast sample preparation
- + Injection interval 1.0 min.

## Plasma/Serum/Urine

### ClinMass® LC-MS/MS Complete Kit

#### Methylmalonic Acid

- + One-step sample preparation
- + Specific separation of isobaric succinic acid

## Additional Quality Assurance Calibrators & Controls

### ClinCal® Plasma Calibrator and ClinCheck® Controls for Amino Acids

\*Analytes:

Amino acids	Acylcarnitines	Additional acylcarnitines	
Alanine	Carnitine	C3DC-Carnitine	C16:1-Carnitine
Arginine	C2-Carnitine	C4OH-Carnitine	C16:1OH-Carnitine
Aspartic acid	C3-Carnitine	C4DC-Carnitine	C16OH-Carnitine
Citrulline	C4-Carnitine	C5:1-Carnitine	C18:2-Carnitine
Glutamic acid	C5-Carnitine	C5OH-Carnitine	C18:1-Carnitine
Glycine	C5DC-Carnitine	C6DC-Carnitine	C18:2OH-Carnitine
Leucine	C6-Carnitine	C8:1-Carnitine	C18:1OH-Carnitine
Methionine	C8-Carnitine	C10:2-Carnitine	C18OH-Carnitine
Ornithine	C10-Carnitine	C10:1-Carnitine	
Phenylalanine	C12-Carnitine	C12:1-Carnitine	
Proline	C14-Carnitine	C14:2-Carnitine	
Tyrosine	C16-Carnitine	C14:1-Carnitine	
Valine	C18-Carnitine	C14OH-Carnitine	

Analytes:

Alanine	4-Hydroxyproline	Proline
α-Aminobutyric Acid	allo-Isoleucine	Serine
Arginine	Isoleucine	Taurine
Asparagine	Leucine	Threonine
Aspartic Acid	Lysine	Tryptophan
Citrulline	Methionine	Tyrosine
Glutamic Acid	1-Methyl-Histidine	Urea
Glutamine	3-Methyl-Histidine	Valine
Glycine	Ornithine	
Histidine	Phenylalanine	