

# Understanding Medical Necessity

The provided ICD-10 codes are listed as a convenience for the ordering physician. Ordering practitioners should report the diagnosis code that best describes the reason for performing the test.

## Inflammation Assessment

### F<sub>2</sub>-Isoprostanes (F<sub>2</sub>-IsoPs) 83789/82570

**Clinical Indication:** Individuals who have lifestyle risks due to poor diet or smoking, a family history of CVD or hyperlipidemia.

Diagnosis	Codes
Type 2 diabetes mellitus without complications	E11.9
Other specified diabetes mellitus without mention of complications	E13.9
Type 2 diabetes mellitus with hyperglycemia	E11.65
Pure hypercholesterolemia	E78.0
Mixed hyperlipidemia	E78.2
Other hyperlipidemia	E78.4
Hyperlipidemia, unspecified	E78.5
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Hyperuricemia without signs of inflammatory arthritis and tophaceous disease	E79.0

### Oxidized LDL (OxLDL) 83516

**Clinical Indication:** Individuals at low or intermediate risk of metabolic syndrome due to lifestyle risks.

Diagnosis	Codes
Type 2 diabetes mellitus without complications	E11.9
Other specified diabetes mellitus without mention of complications	E13.9
Type 2 diabetes mellitus with hyperglycemia	E11.65
Pure hypercholesterolemia	E78.0
Mixed hyperlipidemia	E78.2
Other hyperlipidemia	E78.4
Hyperlipidemia, unspecified	E78.5
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Hyperuricemia without signs of inflammatory arthritis and tophaceous disease	E79.0

### hsCRP 86141

**Clinical Indication:** Individuals at intermediate risk (10-year risk of 10-20%) of developing coronary heart disease who are metabolically stable without inflammatory or infectious conditions.

Diagnosis	Codes
Pure hypercholesterolemia	E78.0
Pure hyperglyceridemia	E78.1
Mixed hyperlipidemia	E78.2
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Impaired fasting glucose	R73.01
Family history of ischemic heart disease and other diseases of the circulatory system	Z82.49
Long term (current) use of hormonal contraceptives	Z79.3
Hyperchylomicronemia	E78.3
Other hyperlipidemia	E78.4
Hyperlipidemia, unspecified	E78.5
Encounter for screening for cardiovascular disorders	Z13.6

### Urinary Microalbumin 82043/82570

**Clinical Indication:** Individuals with type 1 or type 2 diabetes, or hypertension.

Diagnosis	Codes
Type 2 diabetes mellitus without complications	E11.9
Other specified diabetes mellitus without mention of complications	E13.9
Type 2 diabetes mellitus with hyperglycemia	E11.65
Pure hypercholesterolemia	E78.0
Mixed hyperlipidemia	E78.2
Other hyperlipidemia	E78.4
Hyperlipidemia, unspecified	E78.5
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Hyperuricemia without signs of inflammatory arthritis and tophaceous disease	E79.0

### Lp-PLA<sub>2</sub> Activity 83698

**Clinical Indication:** Individuals at intermediate or high risk for developing coronary heart disease.

Diagnosis	Codes
Type 2 diabetes mellitus without complications	E11.9
Other specified diabetes mellitus without mention of complications	E13.9
Type 2 diabetes mellitus with hyperglycemia	E11.65
Pure hypercholesterolemia	E78.0
Mixed hyperlipidemia	E78.2
Other hyperlipidemia	E78.4
Hyperlipidemia, unspecified	E78.5
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Hyperuricemia without signs of inflammatory arthritis and tophaceous disease	E79.0

### Myeloperoxidase (MPO) 83876

**Clinical Indication:** Individuals with multiple risk factors for cardiovascular disease, or those with established disease.

Diagnosis	Codes
Type 2 diabetes mellitus without complications	E11.9
Other specified diabetes mellitus without mention of complications	E13.9
Type 2 diabetes mellitus with hyperglycemia	E11.65
Pure hypercholesterolemia	E78.0
Mixed hyperlipidemia	E78.2
Other hyperlipidemia	E78.4
Hyperlipidemia, unspecified	E78.5
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Hyperuricemia without signs of inflammatory arthritis and tophaceous disease	E79.0

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## Other Advanced Test Options

### CoQ10 83789

**Clinical Indication:** Individuals on statin therapy with or without myalgia symptoms, or low ApoA1 and/or HDL levels.

Diagnosis	Codes
Type 2 diabetes mellitus without complications	E11.9
Other specified diabetes mellitus without mention of complications	E13.9
Type 2 diabetes mellitus with hyperglycemia	E11.65
Pure hypercholesterolemia	E78.0
Mixed hyperlipidemia	E78.2
Other hyperlipidemia	E78.4
Hyperlipidemia, unspecified	E78.5
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Hyperuricemia without signs of inflammatory arthritis and tophaceous disease	E79.0

### Galectin-3 82777

**Clinical Indication:** Individuals with hypertension at risk of adverse cardiac remodeling and cardiac fibrosis.

Diagnosis	Codes
Type 2 diabetes mellitus without complications	E11.9
Other specified diabetes mellitus without mention of complications	E13.9
Type 2 diabetes mellitus with hyperglycemia	E11.65
Pure hypercholesterolemia	E78.0
Mixed hyperlipidemia	E78.2
Other hyperlipidemia	E78.4
Hyperlipidemia, unspecified	E78.5
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10

### AspirinWorks® 84431/82570

**Clinical Indication:** Individuals on aspirin therapy, particularly those with hyperlipidemia and diabetes.

Diagnosis	Codes
Type 2 diabetes mellitus without complications	E11.9
Other specified diabetes mellitus without mention of complications	E13.9
Type 2 diabetes mellitus with hyperglycemia	E11.65
Pure hypercholesterolemia	E78.0
Pure hyperglyceridemia	E78.1
Mixed hyperlipidemia	E78.2
Other hyperlipidemia	E78.4
Hyperlipidemia, unspecified	E78.5
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Long term (current) use of hormonal contraceptives	Z79.3

### Vitamin D, 25OH 82306

**Clinical Indication:** Individuals at risk of osteoporosis or cardiovascular disease, or those with hypertension.

Diagnosis	Codes
Hyperparathyroidism, unspecified	E21.3
Vitamin D deficiency, unspecified	E55.9
Pure hypercholesterolemia	E78.0
Other hyperlipidemia	E78.4
Hyperlipidemia, unspecified	E78.5
Essential (primary) hypertension	I10
Chronic kidney disease, stage 3	N18.3
Chronic kidney disease, stage 4	N18.4
Chronic kidney disease, stage 5	N18.5
End stage renal disease	N18.6
Age-related osteoporosis without current pathological fracture	M81.0
Disorder of bone density and structure, unspecified	M85.9

### OmegaCheck™ 82541

**Clinical Indication:** Individuals with hypercholesterolemia, hypertriglyceridemia, hypertension, and/ or those at high metabolic or cardiovascular risk.

Diagnosis	Codes
Type 2 diabetes mellitus without complications	E11.9
Other specified diabetes mellitus without mention of complications	E13.9
Type 2 diabetes mellitus with hyperglycemia	E11.65
Pure hypercholesterolemia	E78.0
Pure hyperglyceridemia	E78.1
Mixed hyperlipidemia	E78.2
Other hyperlipidemia	E78.4
Hyperlipidemia, unspecified	E78.5
Metabolic syndrome	E88.81
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Impaired fasting glucose	R73.01
Impaired glucose tolerance test (oral)	R73.02

