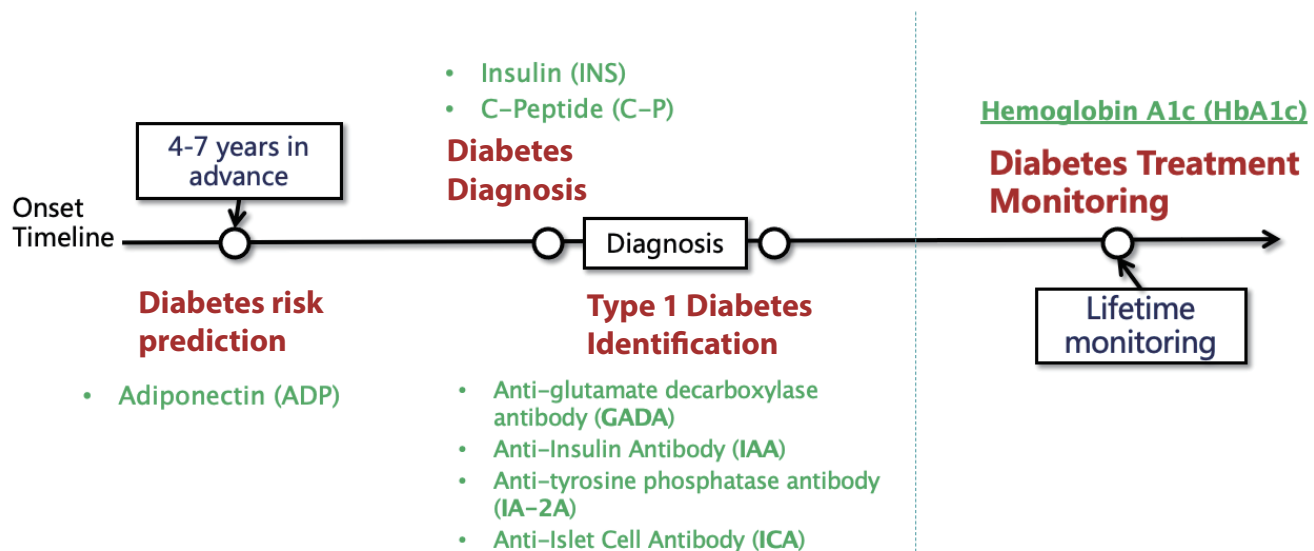


THE PATH TO DIAGNOSE DIABETES STARTS HERE

About 422 million people worldwide have diabetes, and 1.5 million deaths are directly attributed to diabetes each year.

COMPLETE DIABETES DIAGNOSTIC SOLUTION

Single test - High throughput – Chemiluminescent Immunoassay



Clinical significance:

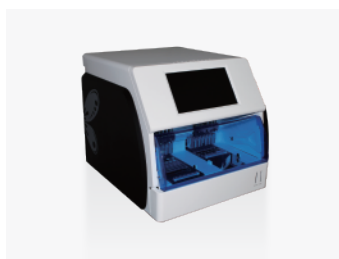
- **Hb1Ac:** Diagnosis and screening of prediabetes and diabetes; it reflects the blood sugar control of diabetic patients in the past 2-3 months. The higher the hemoglobin A1c, **the more blood sugar binds to hemoglobin, and the more severe the diabetes is.**
- **Insulin & C-Peptide:** The level of C-peptide can be measured to understand the state of endogenous insulin secretion.
- **IAA, ICA, GADA and IA-2A:** Diagnosis of **Latent autoimmune diabetes** in adults (LADA), IAA appears earlier, especially for young patients, and is an important marker for screening or early diagnosis of type 1 diabetes. However, as the disease progresses, IAA will gradually decrease, while ICA, GADA, and IA-2A will gradually increase.

Recommendation guidelines:

CLIA and UPT Immunoassay Analyzers



MQ60 Smart



MQ60 ProB



C800



UPT 2800

Parameter	Qualification	Sample Type	Testing analyzers
HbA1c	NMPA, CE IVDR	WB	C800, MQ60 smart, MQ60 proB, UPT2800
C-P	NMPA, CE	S/P	C800, MQ60 smart, MQ60 proB, UPT2800
INS	NMPA, CE	S/P	C800, MQ60 smart, MQ60 proB, UPT2800
ADP	NMPA	S/P	C800, MQ60 smart, MQ60 proB, UPT2800
GADA	NMPA, CE IVDR	S/P	C800, MQ60 smart, MQ60 proB
IA-2A	NMPA, CE IVDR	S/P	C800, MQ60 smart, MQ60 proB
IAA	NMPA, CE IVDR	S/P	C800, MQ60 smart, MQ60 proB
ICA	NMPA, CE IVDR	S/P	C800, MQ60 smart, MQ60 proB

Application Scenario:

- Family history of type 2 diabetes in a first- or second-degree relative
- Physical inactivity
- History of heart disease
- High blood pressure (hypertension)
- Impaired glucose tolerance or impaired fasting glucose (also known as pre-diabetes) on previous blood-glucose testing
- Women who had gestational diabetes or who gave birth to a baby weighing more than 9 pounds
- Polycystic ovarian syndrome (POI)
- HDL (high-density lipoprotein) cholesterol level ≤ 35 mg/dL triglyceride level ≥ 250 mg/dL

HOTGEN assays have excellent performance to help clinicians understand the cause of a patient's hypoglycemia or differentiate between type I and type II diabetes.