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**in.vent**  
D I A G N O S T I C A G M B H

# Diabetes mellitus



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# Diabetes mellitus



Worldwide, approximately 463 million people suffer from diabetes. If the numbers of diabetes as feared by the IDF (International Diabetes Federation) increases, there could be about 629 million diabetics worldwide in 2045.<sup>1</sup>

The **in.vent** Bulks and Pools of Biomarkers for Diabetes I and II as well as Panels of Diabetes Diseases are designed for the use throughout the whole value chain of in-vitro diagnostic test kits, e.g. for R&D and Quality Control Departments. The products consist of native Human Biomaterial with no additives. Titers are based upon availabilities.

## Diabetes mellitus Type I

$\beta$ -cell destruction, which leads to an absolute insulin deficiency – usually immunologically mediated.

## Diabetes mellitus Type II

Insulin resistances, with relative insulin deficiency to largely secretory defect, are often associated with other diseases (e.g., “metabolic syndrome”).

## Bulks of Diabetes Diseases – Indications

Indication
Bulk Diabetes Type I
Bulk Diabetes Type II
selected Medication



Fresh blood donations of normal and diabetic patients.

## Bulks of Diabetes mellitus Type I – Biomarkers

All biomarkers available in positive, high positive, and negative.

Biomarker
Insulin Autoantibodies (IAA)
Icelet Cell Antibodies (ICA)
Tyrosine-Phosphatase Antibodies (IA2)
Glutamate-Decarboxylase Antibodies (GADA)
selected Medication

## Additional Information

Matrix	true human serum off the clot or plasma (e.g. citrate plasma)
Volume per Sample	up to 250ml per single donation
Disease State Testing	tested by CE-marked test systems and found negative for HIV I/II antibodies, HBsAg, HCV antibodies
Delivered Information on Certificate	product number, sample number, matrix, volume, age, gender, measured laboratory results, assay system, minimum shelf life

## Pools of Diabetes Diseases – Indications

All Biomarkers available in positive, high positive, and negative.

Biomarker
Pool Diabetes Type I
Pool Diabetes Type II
selected Medication

## Pools of Diabetes mellitus Type I – Biomarkers

Biomarker
Insulin Autoantibodies (IAA)
Icelet Cell Antibodies (ICA)
Tyrosine-Phosphatase Antibodies (IA2)
Glutamate-Decarboxylase Antibodies (GADA)

Pooled, adjusted to defined target values, filtered and bottled (pools in 1L bottles).

## HbA1c Controls

Product Name	Analytes	Details	Pricing*
HbA1c Control	Haemoglobin	Matrix: human whole blood + hemolysate Stability: 1 month at 2-8 °C Form: lyophilised	starting at 30€

Data sheets for the product is available on request.

## Pools of HbA1c

Product Name	Volume	Content
HbA1c Control	1.0l	pool of HbA1c donations, not further specified

## Additional Information

Matrix	Normal Human Citrate-Phosphate-Dextrose Plasma (CPD Plasma) in cell culture quality
Filtration	the product is filtered: 0.2 $\mu$ m
Disease State Testing	tested by CE-marked test systems and found negative for HIV I/II antibodies, HBsAg, HCV antibodies
Delivered Information on Certificate	product number, matrix, volume, minimum shelf life, result of laboratory testing (if applicable)

Small Volume Samples are available at Central BioHub: <https://centralbiohub.de>

All Small Volume Specimens and Bulks are available as Quality Control. Please send specifications for an individualised offer.

Individual Panels among the entire ranges, indication and/or parameter associated collectives and prospective collections Interference Panels, medication associated samples.

\* “customised specifications” are specifications exclusively derived by customer's projects.

Please send specifications for an individualised offer.

<sup>1</sup> <https://de.statista.com/themen/262/diabetes>

# Contact & Ordering Information



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**Please send us your individual requests via:**  
**inquiry.inventdiagnostica.de**

