

Thrombosis diagnosis in an efficient & simple way.

The new Yumizen G D-Dimer reagent is available on the complete range of HORIBA Medical hemostasis systems, from semi-automatic to fully automated in liquid format, ready to use and precalibrated.

The D-Dimer parameter is a key measurement and the reference exclusion test for the diagnosis of deep vein thrombosis or pulmonary embolism, and may be used for monitoring Disseminated Intravascular Coagulation.

On semi-automatic systems, the combination of the Immuno-turbidimetric measurement capability of the Yumizen semi-automated range and precalibrated D-Dimer reagent provides a unique solution enhancing diagnostic capability of small laboratories.

- **Easy to use :**

Pre-calibrated / Liquid format / Automatic configuration by barcode scan :
Ready to run in simple steps

- **Cost efficient :**

No calibrator required
High stability with convenient reagent volumes
(around 50 tests per vial / 2 weeks open stability)

- **High performances :**

NPV 99%*
No hook effect under 25 µg FEU/mL
Slope check and post dilution function
(from software version 2.02 for Yumizen G200, 2.06 for Yumizen G400)
Linearity 0.22-4 µg FEU/mL
Cut off : 0.5 µg FEU/mL



D-Dimer reagents are also compatible with our fully automated hemostasis systems (Yumizen G800, G1500 & G1550).

(*value determined on fully automatic Yumizen G systems)

Yumizen

G range

Yumizen G D-Dimer 2 (Cat. No.: 1300036391)

Method :

Particle enhanced immunoturbidimetric Test
(Turbidimetry measurement at 570 nm)

Package contents :

3 x 6.5 mL Buffer (nickel sulfate and preservative)
3 x 2.5 mL Latex (latex particle coated with monoclonal anti-human D-Dimer antibody)

165 tests/reagent kit
55 tests/vial (variable, depending on Yumizen G analyzer used)

Calibration :

Pre-determined Calibration Curve provided (Data entered by barcode)

Stability :

Stability after opening in the original vials of 2 weeks

Specifications :

Limit of Detection (LoD): 0.22 µg FEU/mL* *(on Yumizen G1550)

Measuring Range: 0.22-4.0 µg FEU/mL

High dose Hook Effect: No high dose Hook effect observed up to a concentration of 25 µg FEU/mL.

Negative Predictive Value (NPV):

NPV ≥ 95%. The NPV was 99% in a clinical multicenter study on 162 samples.

Precision

	Intra-Assay		Inter-Assay	
Sample	1	2	3	4
n	20	20	10	10
Mean (µg FEU/mL)	0.609	2.910	0.602	2.883
CV (%)	6.444	4.202	3.475	3.953

Additional Materials required :

Yumizen G CTRL DDi I & II; Cat. No.: 1300036414.

Yumizen G IMIDAZOL (Dilution Buffer); Cat. No.: 1300036385.

Known limitations :

No interference detected with Rheumatoid factor under a concentration of 50 IU/mL

No cross-reactivity of the antibody with fibrinogen and E fragment. A low cross-reactivity is observed with the D fragment and the high molecular weight fragments, fibrin X and Y.

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