

# D-dimer

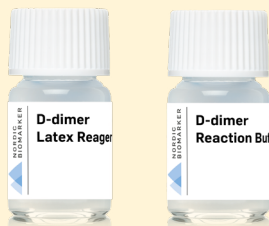
Assay adaptable to coagulation systems

Clinically proved cut-off

Correlates to well-known D-dimer assays

D-dimer is a clinically proved, high quality reagent for exclusion of deep vein thrombosis (DVT) and pulmonary embolisms (PE). The reagent has a high sensitivity and high efficiency. D-dimer includes three different products designed to match different measuring instruments. For instruments operating in the blue wavelength range (400–600 nm) Nordic Biomarker offers Blue D-dimer. For instruments

operating in the green wavelength range (500–700 nm) Nordic Biomarker offers Green D-dimer. For instruments operating in the red wavelength range (600–800 nm) Nordic Biomarker offers Red D-dimer. All D-dimer products are built upon the same antibody, easing standardisation between different platforms with comparable results regardless of instrument.



- ▶ Liquid components, ready to use
- ▶ Flexible, adaptable to most 400–800 nm measuring instruments
- ▶ Excellent correlation between product subtypes
- ▶ High sensitivity, low cut-off value (200 ng/mL DDU, 500 ng/mL FEU) for a high exclusion rate of DVT and PE

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## DETAILS

Product form	Liquid components, ready to use
Wavelength	Blue D-dimer: 400–600 nm Green D-dimer: 500–700 nm Red D-dimer: 600–800 nm

## ANALYTICAL PERFORMANCE CHARACTERISTICS

*Sysmex CS-2100i has been used for measurements for Blue and Red D-dimer.*

*Sysmex CS-2500 has been used for measurements for Green D-dimer.*

	Blue D-dimer	Green D-dimer	Red D-dimer	
Measuring range	320–8460 ng/mL FEU	205–8400 ng/mL FEU	230–8800 ng/mL FEU	
Precision	<b>Sample</b>	<b>Repeatability</b>	<b>Sample</b>	
		Mean FEU CV% (ng/mL)	Mean FEU CV% (ng/mL)	Mean FEU CV% (ng/mL)
	Level 1	1030 6.4	Level 1 819 5.1	Level 1 1060 3.5
	Level 2	2050 2.5	Level 2 1224 1.9	Level 2 2880 2.0
	Level 3	4000 2.4	Level 3 2100 1.6	Level 3 4230 1.4
No interference with	<ul style="list-style-type: none"> <li>▶ Bilirubin &lt;12 mg/dL</li> <li>▶ Haemoglobin &lt;100 mg/dL</li> <li>▶ Triglycerides &lt;160 mg/dL</li> <li>▶ Unfractionated heparin &lt;300 U/dL</li> </ul>	<ul style="list-style-type: none"> <li>▶ Bilirubin &lt;20 mg/dL</li> <li>▶ Haemoglobin &lt;500 mg/dL</li> <li>▶ Triglycerides &lt;971 mg/dL</li> <li>▶ Unfractionated heparin &lt;330 U/dL</li> <li>▶ Low molecular weight heparin &lt;330 U/dL</li> </ul>	<ul style="list-style-type: none"> <li>▶ Bilirubin &lt;40 mg/dL</li> <li>▶ Haemoglobin &lt;1000 mg/dL</li> <li>▶ Triglycerides &lt;1000 mg/dL</li> <li>▶ Unfractionated heparin &lt;330 U/dL</li> <li>▶ Low molecular weight heparin &lt;330 U/dL</li> </ul>	
Prozone effect	No effect below 250 000 ng/mL FEU.	No effect below 250 000 ng/mL FEU.	No effect below 250 000 ng/mL FEU.	
Specificity	100-fold specificity for D-dimer over fibrinogen, fibrinogen D or fragment E.	100-fold specificity for D-dimer over fibrinogen, fibrinogen D or fragment E.	100-fold specificity for D-dimer over fibrinogen, fibrinogen D or fragment E.	

## STABILITY AND STORAGE

Storage	2–8 °C
Shelf-life	18 months at 2–8 °C
Open-vial stability	8 weeks at 2–8 °C

## ORDERING INFORMATION

PRODUCT NUMBER	PRODUCT NAME	CONTENT
P4036	Blue D-dimer 6 mL + 7 mL	5x6 mL Latex reagent 5x7 mL Reaction buffer
P4008	D-dimer 400 Bulk*	Latex reagent Reaction buffer
P4030	Green D-dimer HC 3.5 mL	5x3.5 mL Latex reagent 5x7 mL Reaction buffer
P4027	D-dimer 550 HC Bulk*	Latex reagent Reaction buffer
P4002	Red D-dimer 4 mL	5x4 mL Latex reagent 5x7 mL Reaction buffer
P4006	D-dimer 700 Bulk*	Latex reagent Reaction buffer

\* Different filling volumes available upon request