



HY-PRO 50

Specific Protein Analyzer

Characteristic

Test channel: 1
throughput: 40 samples/hour



HY-PRO 54

Specific Protein Analyzer

Characteristic

Test channel: 4, all channels work independently
Throughput: 160 samples/hour



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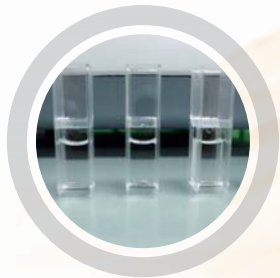
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HY-PRO 54/50
Specific Protein Analyzer

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HY-PRO 54/50

Specific Protein Analyzer



Step one

Put a stirrer and add buffer into the cuvette



Step two

Pipette sample into the cuvette



Step three

Pipette antiserum into the cuvette

Test Volume

Parameter	HS-CRP / CRP	HbA1c	mALB	ASO	RF	Anti-CCP	CYS-C	D-Dimer
Buffer	600 μ L	1000 μ L	400 μ L	300 μ L	320 μ L	350 μ L	300 μ L	300 μ L
Diluent	-----	-----	-----	-----	-----	-----	-----	-----
Latex	-----	300 μ L	-----	-----	-----	-----	-----	-----
Sample	2 μ L	20 μ L	20 μ L	5 μ L	4 μ L	10 μ L	10 μ L	6 μ L
Reagent	60 μ L	100 μ L	40 μ L	100 μ L	80 μ L	50 μ L	100 μ L	100 μ L

Test Parameters

Application	Parameters	Specification	Linear Range
Inflammation Monitoring, Cardiovascular Risk Assessment	HS-CRP	25T / 50T / 100T	0.8 ~ 300mg/L
Rheumatism Monitoring	Anti-CCP	25T / 50T / 100T	5 ~ 100IU/mL
	RF	25T / 50T / 100T	3 ~ 160IU/mL
	ASO	25T / 50T / 100T	20 ~ 800IU/mL
	HS-CRP	25T / 50T / 100T	0.8 ~ 300mg/L
Diabetes Monitoring	HbA1c	25T / 50T	2 ~ 20%
Renal Function Monitoring	mALB	25T / 50T / 100T	10 ~ 200mg/L
	CYS-C	25T / 50T / 100T	0 ~ 8mg/L
Clotting Monitoring	D-Dimer	25T / 50T	0 ~ 20mg/L

Features

Test principle	Nephelometry
Parameters	HS-CRP, CRP, HbA1c, mALB, ASO, RF, Anti-CCP, CYS-C, D-Dimer, etc.
Light source	Diode laser, wavelength 650 nm
Testing channel	1 (HY-PRO 50) or 4 (HY-RPO 54) independant channels
Sample type	Whole blood, serum, plasma, urine, etc.
Sample volume	2-100 μ L
Reagent volume	10-100 μ L
Throughput	Up to 40 (HY-PRO 50)/160 (HY-PRO 54) samples/hour
Specificity	Specific antigen-antibody combination preventing non-specific reaction, CV<5%
Traceability	Results can be traced against CRM470
Calibration free	Magnetic card with built-in standard calibration curve, making stable and reliable result
Temperature control	Auto temperature control and mixing

Test step	3 simple steps, results can be reported within 15 seconds to 2 minutes
Display	5.6-inch high resolution color touch screen
Storage	100,000 detailed sample results can be saved
Interface	RS-232
Device extension	Compatible with bar code reader, LIS and HIS
Printer	Built-in thermal printer, auto and manual printing is optional
Working temperature	15°C~35°C; Humidity: \leq 85% RH
Voltage	100-240V, 50/60Hz

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