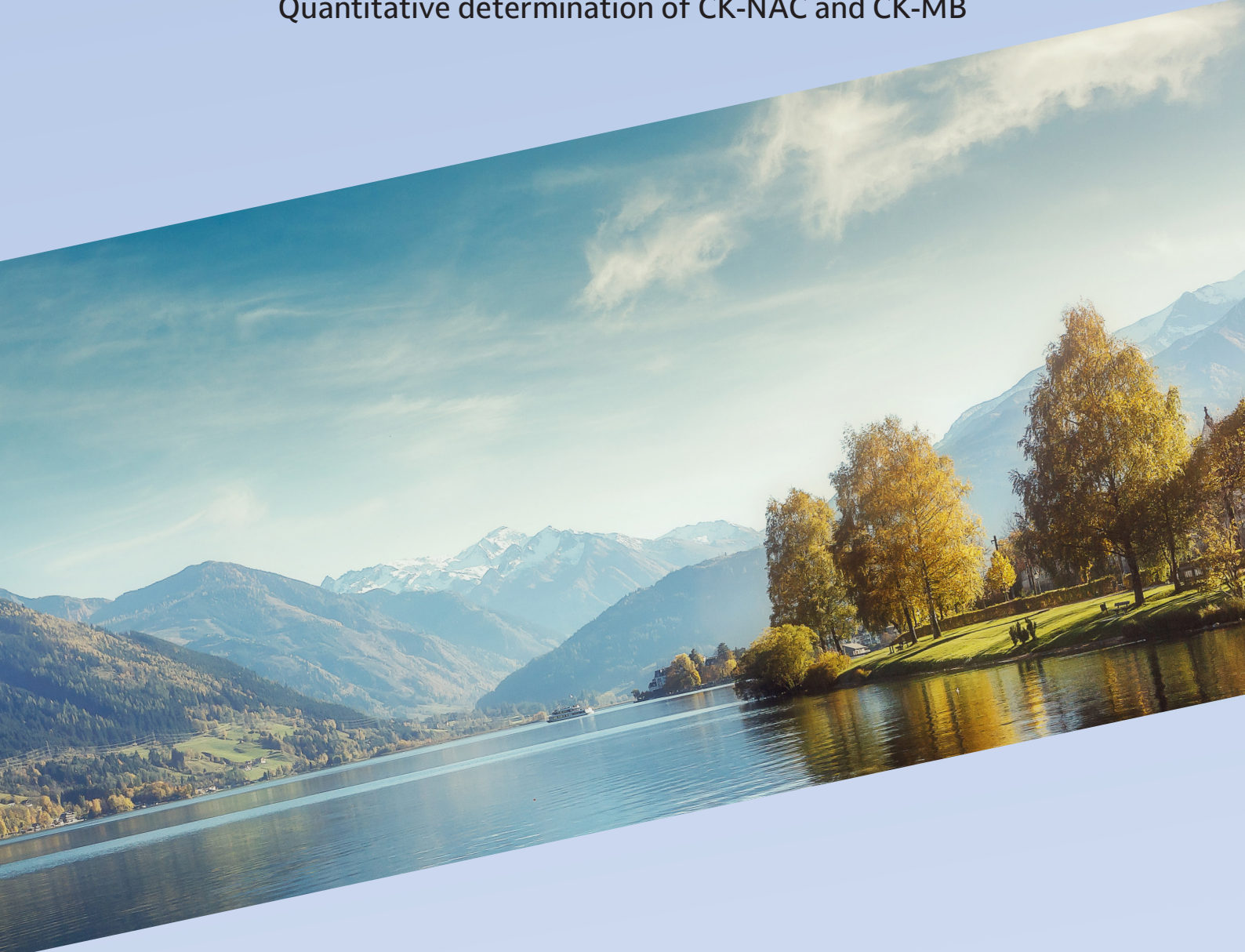


CK-NAC / CK-MB

Quantitative determination of CK-NAC and CK-MB

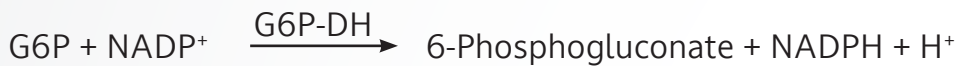


Featured products:

- Hexokinase [HXK-311](#)
- Glucose-6-Phosphate Dehydrogenase [G6D-321](#)
- Anti Human CK-MM [ACM-131G](#)
- Creatine Phosphate Disodium Salt [CRP-59C](#)
- NADP-Na₂ [BNP-209A](#)
- ADP-Na₂ [ADP-22C](#)

CK-NAC and CK-MB FEATURED PRODUCTS

Principle



Hexokinase from *Saccharomyces* sp.

Ref: [HXK-311](#)

Michaelis constant	2.3×10 ⁻⁴ M (D-Glucose) 7.7×10 ⁻⁵ M (ATP)
Stability	Stable at -20°C
Optimum pH	8.0 - 9.0
Optimum temperature	50 °C
pH Stability	pH 4.0 - 9.0 (25°C, 20hr)
Thermal stability	Below 45 °C, (pH 7.0, 30min)

Glucose-6-Phosphate Dehydrogenase from Microorganism

Ref: [G6D-321](#)

Michaelis constant	NAD ⁺ linked: 2.4×10 ⁻⁴ M (NAD ⁺), 4.7×10 ⁻⁴ M (G6P) NADP ⁺ linked: 7.4×10 ⁻⁶ M (NADP ⁺), 3.2×10 ⁻⁴ M (G6P)
Stability	Stable at -20°C for at least 12 months
Optimum pH	7.8
Optimum temperature	50°C - 55°C
pH Stability	pH 5 -11 (25°C, 22hr)
Thermal stability	Below 50°C (pH 7.8, 30min)

Anti Human CK-MM

Ref: [ACM-131G](#)

Stability	At least 12 months at 2-8°C
pH	7.2
Storage	Store at 2-8 °C
Immunogen	Human Creatinine Kinase MM (h-CK-MM)

Creatine Phosphate Disodium Salt

Ref: [CRP-59C](#)

Stability	At least 2 years at 2 – 8 °C
pH	8.0 – 9.0
Storage	2 – 8 °C

NADP-Na₂ (β-Nicotinamide-Adenine Dinucleotide Phosphate disodium salt)

Ref: [BNP-209A](#)

Stability	At least 12 months at 2-8°C
pH (10%, H ₂ O)	4.0 - 6.0
Storage	2 - 8 °C. Keep dry
A _{280/260}	0.19 - 0.23

ADP-Na₂ (Adenosine 5'-diphosphate disodium salt)

Ref: [ADP-22C](#)

Stability	At least 12 months at 2-8°C
Storage	2 - 8 °C. Keep dry
A _{250/260}	0.79 - 0.89
A _{280/260}	0.17 - 0.27

CK-NAC SORACHIM REAGENT RESULTS

Reagents

R1	Imidazol, pH 6.7 D-Glucose N-Acetyl-L-Cysteine NADP Hexokinase
R2	ADP AMP di-Adenosine-5- pentaphosphate Glucose-6-phosphate dehydrogenase Creatine phosphate

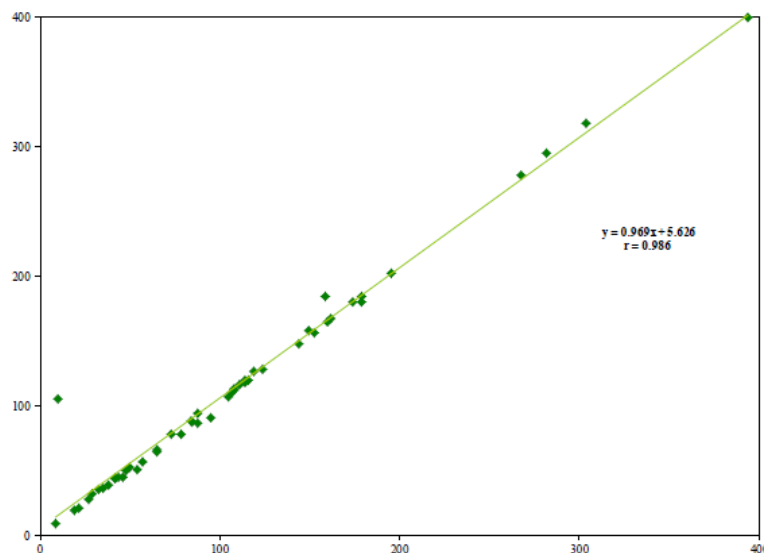
Linearity limit: 2400/L

Measuring range: From detection limit of 2.0 U/L to linearity limit of 2400 U/L.

	Intra-assay (n=20)		Inter-assay (n=20)	
Mean (mg/dL)	93	321	94	320
SD	1,12	4,07	3,38	8,60
CV (%)	1,2	1,27	3,60	2,68

Accuracy

Correlation coefficient (r^2): 0,996.
Regression equation: $y = 0,997x + 5,626$.



Real time stability at 2-8°C

Normal Control Serum (NC): Target value 164 U/L, Range 130-195 U/L

Pathological Control Serum (PC): Target value 419 U/L, Range 335-500 U/L

DAY 0 (mg/dL)	NC: 164 PC: 418	NC: 164 PC: 418	NC: 164 PC: 418
15 months (mg/dL)	NC: 163 PC: 421	NC: 165 PC: 418	NC: 165 PC: 418

Stable for 15 months



CK-MB SORACHIM REAGENT RESULTS

Reagents CK-NAC

R1	Imidazol, pH 6.7 D-Glucose N-Acetyl-L-Cysteine NADP Hexokinase
R2	ADP AMP di-Adenosine-5- pentaphosphate Glucose-6-phosphate dehydrogenase Creatine phosphate
Antibody	Anti-human polyclonal CK-M antibody sufficient to inhibit up to 2000 U/L of CK-MM.

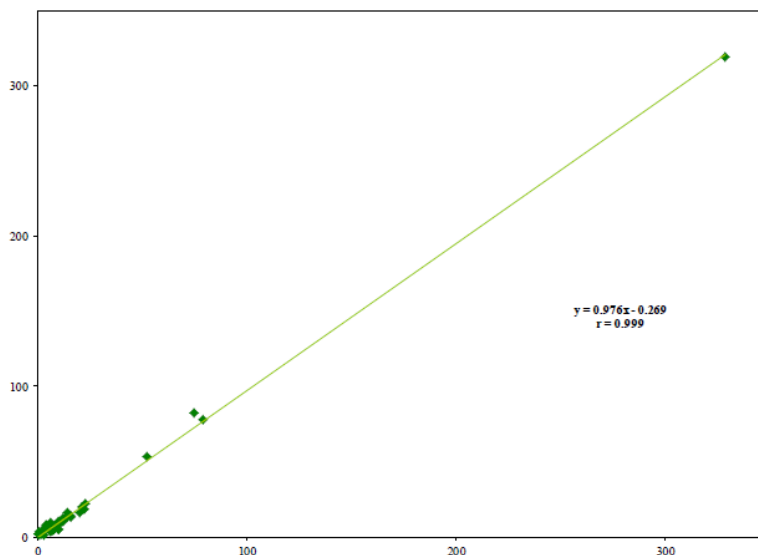
Linearity limit: 318 U/L

Measuring range: From detection limit of 1.9 U/L to linearity limit of 318 U/L.

	Intra-assay (n=20)		Inter-assay (n=20)	
	Mean (mg/dL)	34,3	167	31,3
SD	1,05	3,69	1,44	3,2
CV (%)	3,07	2,20	4,6	1,97

Accuracy

Correlation coefficient (r)²: 0,999.
Regression equation: $y = 0,976x - 0,269$.



Real time stability at 2-8°C

Normal Control Serum (NC): Target value 30 U/L , Range 25-35 U/L

Pathological Control Serum (PC): Target value 115 U/L , Range 95-135 U/L

DAY 0 (mg/dL)	NC: 33 PC: 117	NC: 33 PC: 117	NC: 133 PC: 117
15 months (mg/dL)	NC: 31 PC: 114	NC: 30 PC: 114	NC: 32 PC: 118

Stable for 15 months



ADDITIONAL PRODUCTS



→ Ap5A-Li₃ [DAD-631C](#)

Ap5A-Li₃ - P1,P5 -Di(adenosine -5'-)pentaphosphate trilithium salt

$C_{20}H_{26}N_{10}O_{22}P_5Li_3$ - Mw : 934.20

Yellowish powder - Purity : > 95 %

→ AMP [AMP-02C](#)

AMP - Adenosine 5'-monophosphoric acid

$C_{10}H_{14}N_5O_7P.H_2O$ - Mw : 365.20

White powder - Purity : > 98 %

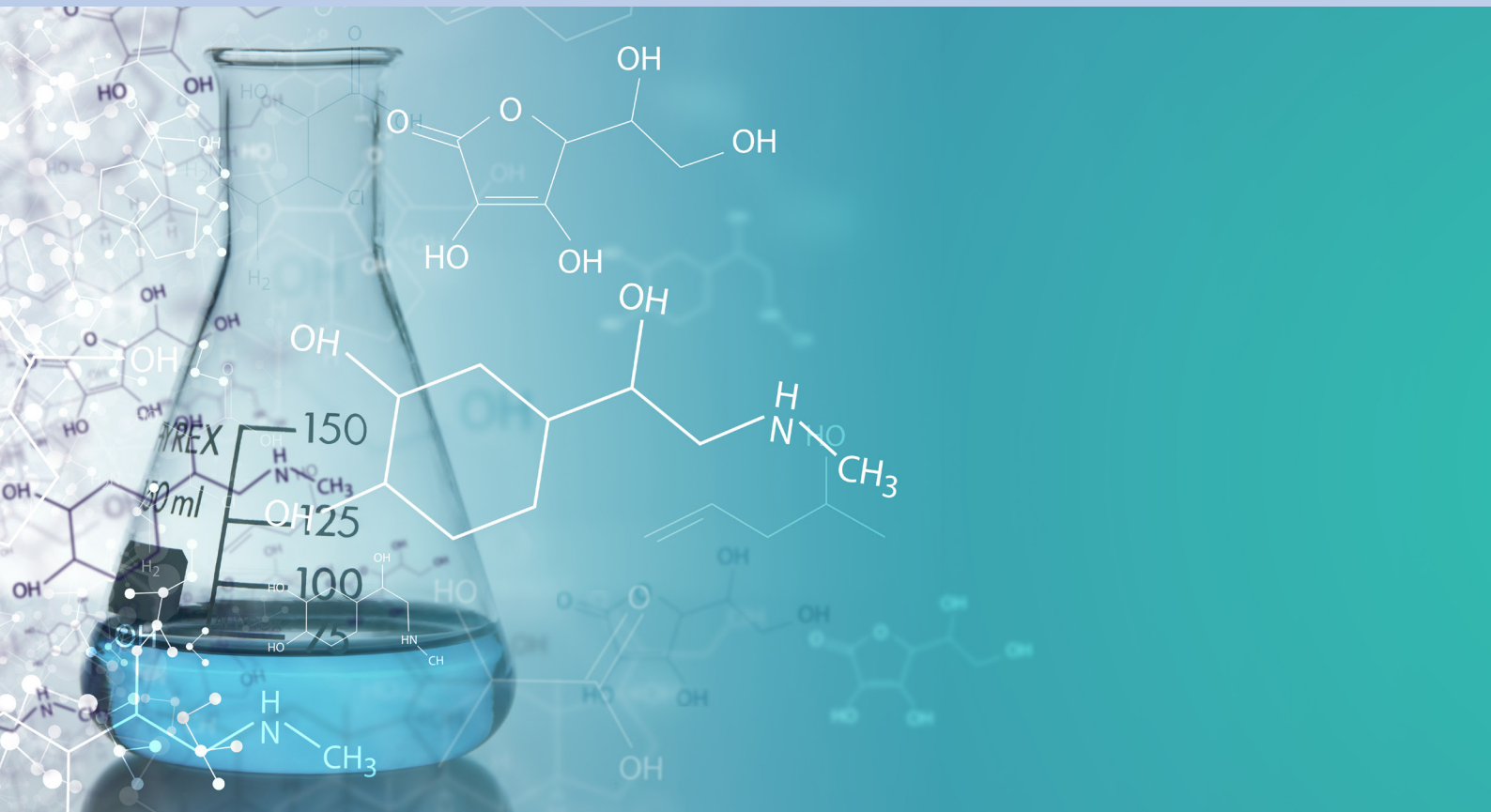
→ N-Acetyl-L-cysteine [NAL-24C](#)

N-Acetyl-L-cysteine

$C_5H_9NO_3S$ - Mw : 163.20

White powder - Purity : > 98 %





Your partner for Diagnostic Reagents



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