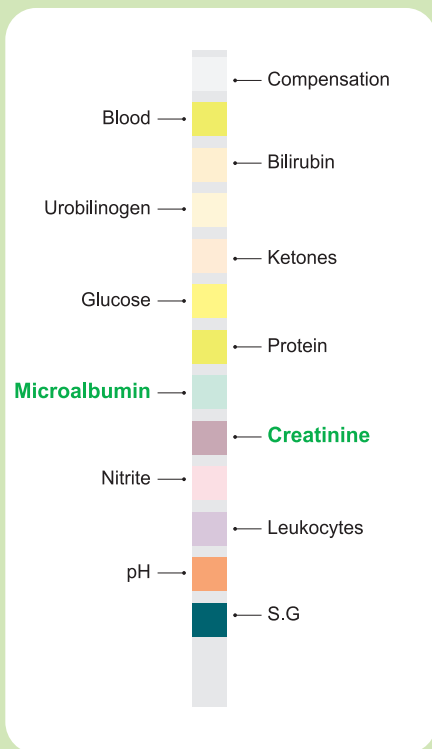


ComboStik Urine Reagent Strips for Testing Microalbumin / Creatinine in Urine

◆ **TEST PURPOSE :** To detect **MICROALBUMINURIA** (early indication of kidney disease)

◆ **TEST METHOD :** By visual(manual) use or use with ComboStik Strip analyzers



◆ BENEFITS

- Effective management of kidney disease in patient with diabetes and at potentially high risk for kidney problem in early stage prior to becoming **PROTEINURIA** (high level kidney disease)
- Can obtain clinically meaningful and time saving results by measurement of the “Microalbumin-to-Creatinine ratio” in a random urine sample (24 hour long urine sample collection is NOT required)
- More sensitive and more specific results than reagent strips designed for general protein testing

◆ CLINICAL CONTRIBUTION

Monitoring and appropriate care of MICROALBUMINURIA prevents or reduces following health risks

- Incipient kidney damage
- Complications caused by diabetes
- Risk of cardiovascular diseases
- Risks related to pregnancy of diabetics

◆ SPECIFICATION

Measurement Sample	Urine (Fresh urine, Random Spot urine)
Measurement Item	Microalbumin, Creatinine, Microalbumin/Creatinine ratio
Required sample volume	Approx. 5mL(dipping method)
Reaction time	60sec
Reaction temperature	Room Temperature (2~30℃)

◆ INTERPRETATION OF TEST RESULTS

Microalbumin

Conc.(mg/L)	10	30	80	150
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Creatinine

Conc.(mg/dL)	10	50	100	200	300
Conc.(g/L)	0.1	0.5	1.0	2.0	3.0
Conc.(mmol/L)	0.9	4.4	8.8	17.7	26.5

Microalbumin/Creatinine ratio Interpretation

	Normal	Abnormal	High Abnormal
Conc. (mg/g)	<30	30-300	>300
Conc. (mg/mmol)	<3.4	3.4-33.9	>33.9

◆ MICROALBUMIN / CREATININE RATIO

1. Unit(mg/g) : Microalbumin(mg/L) / Creatinine (g/L)
2. Result Interpretation Examples : refer to the chart below

Microalbumin (mg/L)	Creatinine (g/L)				
	0.1	0.5	1.0	2.0	3.0
10	Re-analysis	Normal	Normal	Normal	Normal
30	Abnormal	Abnormal	Abnormal	Normal	Normal
80	High Abnormal	Abnormal	Abnormal	Abnormal	Normal
150	High Abnormal	Abnormal	Abnormal	Abnormal	Abnormal

◆ ORDERING INFORMATION

Product Name	Packing	Ref No	Test Parameters
ComboStik 2AC	50 strips	2223	Ma, Cre
ComboStik 2AC	100 strips	2224	Ma, Cre
ComboStik 10C	100 strips	2014	Bld, Bil, Uro, Ket, Glu, Pro, Cre, Nit, Leu, pH
ComboStik 12AC	100 strips	2B04	Bld, Bil, Uro, Ket, Glu, Pro, MA, Cre, Nit, Leu, pH, SG
ComboStik 13AC	100 strips	2C04	Bld, Bil, Uro, Ket, Glu, Pro, MA, Cre, Nit, Leu, pH, SG, AsA
ComboStik 2MAC	50 strips	2233	(CP), Ma, Cre
ComboStik 2MAC	100 strips	2234	(CP), Ma, Cre
ComboStik 10MC	100 strips	2024	(CP), Bld, Bil, Uro, Ket, Glu, Pro, Cre, Nit, Leu, pH
ComboStik 12MAC	100 strips	2B14	(CP), Bld, Bil, Uro, Ket, Glu, Pro, MA, Cre, Nit, Leu, pH, SG
ComboStik 12MuAC	100 strips	2B24	(CP), Bld, Uro, Ket, Glu, Pro, MA, Cre, Nit, Leu, pH, SG, AsA

- Glu(Glucose), Pro(Protein), pH(pH), Bld(Blood), Ket(Ketone), Nit(Nitrite), Bil(Bilirubin), Uro(Urobilinogen), SG(Specific Gravity), Leu(Leukocytes), AsA(Ascorbic Acid), CP(Compensation Pad), Ma(Microalbumin), Cre(Creatinine)
- Any other optional combination of test parameter strips or packing solutions (50 or 150 Test Strips/Kit) can be available
- The strips can be used for visual/manual test without machine or with the ComboStik urine chemistry analyzers

◆ PRODUCT CERTIFICATES



Ai-MedicTech Sdn Bhd
 12GF, Lorong Berjaya Baru 1,
 Taman Berjaya Baru,
 14000 Bukit Mertajam, Penang, Malaysia
 Phone: +6012-4279 511
 Fax : +604-5399 511
 Email : sales@aimt.com.my

Distributor

