

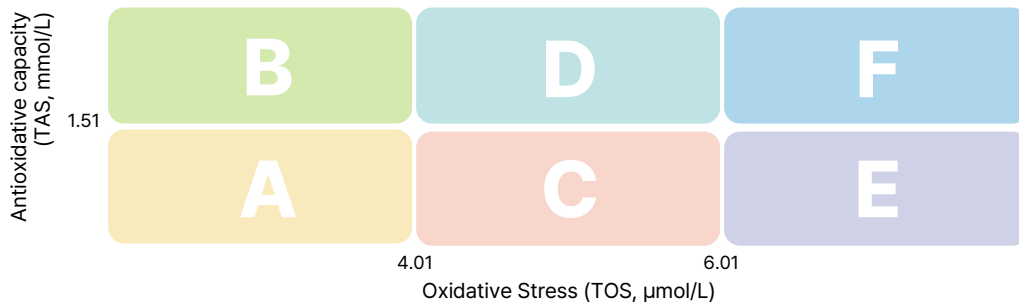


Total oxidant and antioxidant status

				20250411-707-5048
	KETONE-22118			2025/04/07 00:00
	1984/11/27			2025/04/11 10:16
	40/M		Self Referral	2025/04/11 14:12
	800103415		Serum	2025/04/11 16:08

Test name	Result	Unit	Type
Total Oxidant Status (TOS)	3.50	μmol/L	B
Total Antioxidant Status (TAS)	1.80	mmol/L	

Type	TOS (μmol/L)	TAS (mmol/L)
A (Immune/Metabolic disturbance stage)	0.00 ~ 4.00	0.00 ~ 1.50
B (Very Good)	0.00 ~ 4.00	≥ 1.51
C (Oxidative stress stage)	4.01 ~ 6.00	0.00 ~ 1.50
D (Good)	4.01 ~ 6.00	≥ 1.51
E (Very high oxidative stress stage)	≥ 6.01	0.00 ~ 1.50
F (Imbalanced stage)	≥ 6.01	≥ 1.51



Type specific Analysis Each type, from A to F, can be interpreted as below

Very Good

It is an optimal state without oxidative stress. It shows high antioxidative capacity, and the reactive oxygen is sufficient to react oxidative stress. Antioxidants or nutritional prescriptions are not required. Please continue to maintain your current life patterns.

Good

The antioxidative capacity and free radical are within the reference range. It is necessary to pay attention not to generate more free radicals through a healthy life patterns.

Imbalanced stage

Although the antioxidative capacity is higher than the normal, the free radical level is also high. Active management is required to reduce free radical generation through antioxidant and nutritional prescriptions, as well as changes in life patterns. The high antioxidative capacity may be a temporary phenomenon due to the intake of antioxidants.

Immune and Metabolic disorder stage

The antioxidative capacity is deficient while free radical level is sufficient. The lack of antioxidative capacity means that there is a potential for damage from oxidative stress. It is necessary to check the lifestyle that may lead to oxidative stress, and the intake of antioxidants to improve antioxidative capacity is also required.

Oxidative stress stage

The free radical level is normal, but the antioxidative capacity is low. There is a potential for damage from oxidative stress. It is necessary to check lifestyle and prescribe nutrition, antioxidants and exercise regularly to enhance antioxidative capacity.

Very high oxidative stress stage

This is the worst state with high levels of free radical and low antioxidative capacity. It may indicate an immunologically compromised state. As high levels of free radical are continuously causing damage to the body, it is necessary to prescribe antioxidants to eliminate oxidative stress. If the current state persists, screening for other diseases is required.

NOTE : All the relevant date and time in this test result are reported in Korea Standard Time.
Test result can be affected by shipping conditions or its specimen stability

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GC Labs is accredited by the Korean Society for Laboratory Medicine (KSLM) and the College of American Pathologists (CAP).



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