

## CK-MB FS\*

### Order information

Cat. No.	Kit size						
10 165 021	R1 5 x	20 ml	+	R2	1 x	25 ml	
10 165 022	R1 5 x	80 ml	+	R2	1 x	100 ml	
10 165 023	R1 1 x	800 ml	+	R2	1 x	200 ml	

## Targa BT 3000

### Method

Optimized UV test according to the recommendations of the DGKC (German Society of Clinical Chemistry) and IFCC (International Federation of Clinical Chemistry) for CK-NAC. The CK-MB consists of the subunits CK-M and CK-B. A specific antibody against CK-M inhibits the complete CK-MM activity (main part of the total CK activity) and the CK-M subunit of CK-MB. Only CK-B activity is measured, which is half of the CK-MB activity.

### Reagent preparation and stability

The reagents are ready-to-use and stable up to the end of the indicated month of expiry, if contamination is avoided, stored at 2 – 8 °C and protected from light.

### Specimen

Serum, heparinized or EDTA plasma. Avoid hemolysis!  
Loss of activity: at 2 – 8 °C after 24 h ≤ 10 %  
at 15 - 25 °C after 1 h ≤ 10 %.

### Components and concentration in the test

R1 + R2			
Imidazole	pH 6.7	100 mmol/l	
Creatine Phosphate		30 mmol/l	
Glucose		20 mmol/l	
N-Acetyl Cysteine		20 mmol/l	
Magnesium Acetate		10 mmol/l	
EDTA		2 mmol/l	
ADP		2 mmol/l	
NADP		2 mmol/l	
AMP		5 mmol/l	
Diadenosine Pentaphosphate		10 µmol/l	
Glucose-6-phosphate Dehydrogenase		≥ 1.5 KU/l	
Hexokinase		≥ 2.5 KU/l	
CK-M (human) inhibiting polyclonal antibodies (sheep) inhibiting capacity		≥ 2000 U/l	

### Notes

- Hemoglobin interferes.
- The reagents contain Sodium Azide (0.095 %) as preservative.  
Do not swallow! Avoid contact with skin and mucous membranes.

### Normal range (see reference 3)

The likelihood of a cardiac infarction is high under the following circumstances:

CK Women	37 °C > 167 U/l
CK Men	> 190 U/l
and	
CK-MB	37 °C > 24 U/l
and	
A CK-MB activity between 6 and 25 % of the Total CK activity	

If a cardiac infarction is suspected but the above conditions are not fulfilled, a fresh infarction may have occurred. The determination should then be repeated with a fresh sample after 4 hours.

### References

- Würzburg, U., et al., Klin. Wschr., 54, (1976), 357 – 360
- Würzburg, U., et al., J. Clin. Chem. Clin. Biochem., 15, (1977), 131
- Stein, W., Med. Welt., (1985), 572 - 577

\* fluid stable

### INSTRUMENT PARAMETER

Test Typ	Kinetic with Starter	
Serum Starter	(Active)	
Filters (A/B)	340/700	
Units	U/L	
Test Method	with Factor	
Test Methodology	UV	
Number of washes	1	
Delay Time	(Sec)	300
Inc. Time	(Sec)	30
Reading Time	(Sec)	240
Test Limit	(Conc)	1000
Reactio Limit	(mABS)	2500
Max ABS Delta	(mABS)	500
Reagent mAbs Limit	(mABS)	500
Reagents A/B	(µl)	240/60
Reaction Direction	Increasing	
Reagent Dilution	1:1	
Initial ABS	(mABS)	2000
Curve Acceptance	100%	
Automatic profile	Inactive	
Rerun Test Rgt Blk	H:M	00:00
Pathological Repetition	Inactive	

#### Serum Parameters

Tests Name	CK-MB	
Sample Volume	(µl)	12
Dilution Ratio	1:10	
Min. Max. M.	0/24	
Min. Max. F.	0/0	
Min. Max. B.	0/0	

#### Urine Parameters

Tests Name		
Urine Volume	(µl)	
Min. Max. M.		
Min. Max. F.		
Min. Max. B.		
Auto Dilution		
Multi Factor		