

CK-MB FS*

Diagnostic reagent for quantitative in vitro determination of CK-MB in serum or plasma on Sysmex BX-Series

Order information

| Cat. No. | Kit size | Number of tests |
|------------------|----------------|--|
| 1 1641 99 10 972 | R1 3 x 10.7 mL | BX-3010 3 x 80 tests BX-4000 3 x 55 tests |
| | R2 3 x 4.7 mL | BX-3010 3 x 80 tests BX-4000 3 x 55 tests |

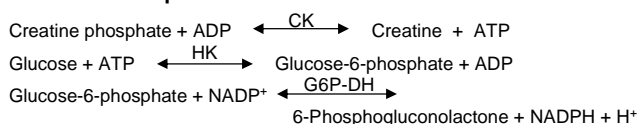
Method

Optimized UV test according to DGKC (German Society of Clinical Chemistry) and IFCC (International Federation of Clinical Chemistry and Laboratory Medicine) for CK with inhibition of CK-M isoenzymes by monoclonal antibodies

Principle

CK-MB consists of the subunits CK-M and CK-B. Specific antibodies against CK-M inhibit 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.

Reaction Principle



Reagents

Components and Concentrations

| | |
|---|-------------|
| R1: Imidazole/Good's buffer | 120 mmol/L |
| Glucose | 25 mmol/L |
| N-Acetylcysteine (NAC) | 25 mmol/L |
| Magnesium acetate | 12.5 mmol/L |
| EDTA-Na ₂ | 2 mmol/L |
| NADP | 2.5 mmol/L |
| Hexokinase (HK) | ≥ 5 kU/L |
| Monoclonal antibodies against human CK-M (mouse); inhibiting capacity | ≥ 2500 U/L |
| R2: Imidazole/Good's buffer | 90 mmol/L |
| ADP | 10 mmol/L |
| AMP | 28 mmol/L |
| Glucose-6-phosphate dehydrogenase (G6P-DH) | ≥ 15 kU/L |
| Diadenosine pentaphosphate | 50 μmol/L |
| Creatine phosphate | 150 mmol/L |

Storage Instructions and Reagent Stability

The reagents are stable up to the end of the indicated month of expiry, if stored at 2 – 8°C, protected from light and contamination is avoided. Do not freeze the reagents!

Warnings and Precautions

- Reagent 1 and 2: Danger. H360D May damage the unborn child. P201 Obtain special instructions before use. P280 Wear protective gloves/protective clothing/eye protection/face protection. P308+P313 IF exposed or concerned: Get medical advice/attention.
- The reagents contain sodium azide (0.95 g/L) as preservative. Do not swallow! Avoid contact with skin and mucous membranes.
- The reagents contain animal material. Handle the product as potentially infectious according to universal precautions and good clinical laboratory practices.
- In very rare cases, samples of patients with gammopathy might give falsified results [10].
- Heterophile antibodies in patient samples may cause falsified results.
- Sulfasalazine medication may lead to false results in patient samples. Blood collection must be done before drug administration.

- Please refer to the safety data sheets and take the necessary precautions for the use of laboratory reagents. For diagnostic purposes, the results should always be assessed with the patient's medical history, clinical examinations and other findings.
- For professional use only!

Waste Management

Please refer to local legal requirements.

Reagent Preparation

The reagents are ready to use. The bottles are placed directly into the reagent trays.

Specimen

Serum or plasma

Stability [1]:

| | | |
|---------|----|-----------|
| 2 days | at | 20 – 25°C |
| 7 days | at | 4 – 8°C |
| 4 weeks | at | -20°C |

Freeze only once. Discard contaminated specimens.

Calibrators and Controls

For calibration the DiaSys TruCal CK-MB calibrator is recommended. The assigned values of the calibrator have been made traceable to the molar extinction coefficient. Control sera and calibrators containing non-human CK-MB fractions are not suitable to be applied with this test due to the monoclonal antibody used in the reagent. Please take care to use controls and calibrators containing exclusively human CK-MB. For internal quality control DiaSys TruLab N and P controls should be assayed. Each laboratory should establish corrective action in case of deviations in control recovery.

| | Cat. No. | Kit size |
|--------------|------------------|-----------|
| TruCal CK-MB | 5 9450 99 10 074 | 6 x 1 mL |
| TruLab N | 5 9000 99 10 062 | 20 x 5 mL |
| | 5 9000 99 10 061 | 6 x 5 mL |
| TruLab P | 5 9050 99 10 062 | 20 x 5 mL |
| | 5 9050 99 10 061 | 6 x 5 mL |

Performance Characteristics

| | |
|---|----------------------------|
| Measuring range up to 2000 U/L (33.3 μkat/L) CK-MB (in case of higher activities re-measure samples after manual dilution with NaCl (9 g/L) or use rerun function) | |
| Limit of detection** | 4 U/L (0.067 μkat/L) CK-MB |
| On-board stability | 6 weeks |
| Calibration stability | 6 weeks |

| Interfering substance | Interferences < 10% | Analyte concentration |
|-------------------------|-----------------------|-------------------------|
| Ascorbate | up to 30 mg/dL | 43.2 U/L (0.720 μkat/L) |
| Hemoglobin | Hemoglobin interferes | |
| Bilirubin, conjugated | up to 15 mg/dL | 29.3 U/L (0.488 μkat/L) |
| Bilirubin, unconjugated | up to 20 mg/dL | 27.0 U/L (0.450 μkat/L) |
| Lipemia (triglycerides) | up to 1200 mg/dL | 27.5 U/L (0.459 μkat/L) |

For further information on interfering substances refer to Young DS [9].

| Precision (BX-4000) | | | |
|------------------------------|----------|----------|----------|
| Within run (n=20) | Sample 1 | Sample 2 | Sample 3 |
| Mean [U/L] | 33.2 | 43.7 | 151 |
| Mean [μkat/L] | 0.554 | 0.728 | 2.52 |
| Coefficient of variation [%] | 2.12 | 1.80 | 0.853 |
| Between run (n=20) | Sample 1 | Sample 2 | Sample 3 |
| Mean [U/L] | 32.5 | 40.1 | 138 |
| Mean [μkat/L] | 0.542 | 0.668 | 2.30 |
| Coefficient of variation [%] | 2.97 | 3.07 | 2.90 |

| Method comparison (n=120) | |
|----------------------------|-----------------------------|
| Test x | CK-MB FS (BioMajesty 6010C) |
| Test y | CK-MB FS (BX-4000) |
| Slope | 1.01 |
| Intercept | -1.72 U/L (0.029 µkat/L) |
| Coefficient of correlation | 0.99997 |

** lowest measurable activity which can be distinguished from zero mean + 3 SD (n=20) of an analyte free specimen

Conversion factor

CK-MB [U/L] x 0.0167 = CK-MB [µkat/L]

Reference Range

Myocardial infarction: the risk of myocardial infarction is high if the following three conditions are fulfilled [2]:

1. CK (Men) > 190 U/L (3.17 µkat/L)***
CK (Women) > 167 U/L (2.78 µkat/L)***
2. CK-MB > 24 U/L (0.40 µkat/L)***
3. CK-MB activity is between 6 and 25% of total CK activity

***calculated using temperature conversion factor 2.38 (25°C → 37°C)

If myocardial infarction is suspected and the conditions are not fulfilled, the infarction may be fresh. In this case the measurements should be repeated after 4 hours with fresh samples.

In healthy individuals different values are found depending on race and age [2,3].

Each laboratory should check if the reference ranges are transferable to its own patient population and determine own reference ranges if necessary.

Literature

1. Guder WG, Zawta B et al. The Quality of Diagnostic Samples. 1st ed. Darmstadt: GIT Verlag; 2001; p. 24-5.
2. Stein W. Strategie der klinisch-chemischen Diagnostik des frischen Myokardinfarkts. Med Welt 1985; 36: 572-7.
3. Myocardial infarction redefined – a consensus document of the Joint European society of Cardiology / America College of Cardiology Committee for the redefinition of myocardial infarction. Eur Heart J 2000; 21: 1502-13.
4. Recommendations of the German Society for Clinical Chemistry. Standardization of methods for the estimation of enzyme activities in biological fluids: Standard method for the determination of creatine kinase activity. J Clin Chem Clin Biochem 1977; 15: 255-60.
5. Stein W. Creatine kinase (total activity), creatine kinase isoenzymes and variants. In: Thomas L, ed. Clinical laboratory diagnostics. Frankfurt: TH-Books Verlagsgesellschaft; 1998. p.71-80.
6. Moss DW, Henderson AR. Clinical enzymology. In: Burtis CA, Ashwood ER, editors. Tietz Textbook of Clinical Chemistry. 3rd ed. Philadelphia: W.B Saunders Company; 1999. p. 617-721.
7. Würzburg U, Hennrich N, Orth HD, Lang H. Quantitative determination of creatine kinase isoenzyme catalytic concentrations in serum using immunological methods. J Clin Chem Clin Biochem 1977; 15: 131-7.
8. Schumann G, Bonora R, Ceriotti F, Féraud G et al. IFCC primary reference procedure for the measurement of catalytic activity concentrations of enzymes at 37 °C. Part 2: Reference procedure for the measurement of catalytic concentration of creatine kinase. Clin Chem Lab Med 2002; 40: 635-42.
9. Young DS. Effects of Drugs on Clinical Laboratory Tests. 5th ed. Volume 1 and 2. Washington, DC: The American Association for Clinical Chemistry Press 2000.
10. Bakker AJ, Mücke M. Gammopathy interference in clinical chemistry assays: mechanisms, detection and prevention. ClinChemLabMed 2007;45(9):1240-1243.

Manufacturer



DiaSys Diagnostic Systems GmbH
Alte Strasse 9 65558 Holzheim Germany

| Chemistry Parameters 1 | | | | Sysmex BX-3010 Chemistry Analyzer Analytical Parameters | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|----------------------|---------------------|--------------|---|---|--------------------|-----|-------------------|-----|-----|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|-----------|---|---|
| Method No. | * | Method Name | CK MB | Reagent Name | Reagent (µL) | Water (µL) | | | | | | | | | | | | | | | | | | | | |
| Print Name | CK MB | MethodColor | | R1 | CK MB | 100 | | | | | | | | | | | | | | | | | | | | |
| Sample Type | Serum | | | R2 | CK MB | 25 | | | | | | | | | | | | | | | | | | | | |
| Unit | U/L | | | Diluent | Disable | | | | | | | | | | | | | | | | | | | | | |
| Assay Type | Rate | | | Sample Ppt. Wash | Disable | | | | | | | | | | | | | | | | | | | | | |
| Measuring points | | Start | End | Stirring Speed R1 | Middle | R2 Middle | | | | | | | | | | | | | | | | | | | | |
| | 1 | 37 | 45 | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | Disable | | | | | | | | | | | | | | | | | | | | | | | | |
| Wave Length | Prim. | 340 | Sec. | 415 | Normal Range | | | | | | | | | | | | | | | | | | | | | |
| | | | | | <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Normal Range Name</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Male-G1</td> <td>*</td> <td>*</td> </tr> <tr> <td>2</td> <td>Male-G2</td> <td>*</td> <td>*</td> </tr> <tr> <td>3</td> <td>Male-G3</td> <td>*</td> <td>*</td> </tr> <tr> <td>4</td> <td>Female-G1</td> <td>*</td> <td>*</td> </tr> </tbody> </table> | | No. | Normal Range Name | Min | Max | 1 | Male-G1 | * | * | 2 | Male-G2 | * | * | 3 | Male-G3 | * | * | 4 | Female-G1 | * | * |
| No. | Normal Range Name | Min | Max | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Male-G1 | * | * | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Male-G2 | * | * | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Male-G3 | * | * | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Female-G1 | * | * | | | | | | | | | | | | | | | | | | | | | | | |
| Normal | Sample Volume (µL) | Diluted Sample (µL) | Diluent (µL) | Technical Range | | | | | | | | | | | | | | | | | | | | | | |
| | Low | Normal | High | (Conc) | 4 | 2000 | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Diluent | 0.0 < | 5.0 < | 0.0 | (mAbs/10) | * | * | | | | | | | | | | | | | | | | | | | | |
| | Rerun (High/Prozone) | | | Previous Result Comparison (%) | * | % | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Diluent | 0.0 < | 5.0 < | 0.0 | Abnormal Range | * | * | | | | | | | | | | | | | | | | | | | | |
| | Rerun (Low) | | | Panic Range | * | * | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Diluent | 0.0 < | 5.0 < | 0.0 | Decimal Point | 0 | Profile SI Disable | | | | | | | | | | | | | | | | | | | | |

*Entered by user

| Chemistry Parameters 2 | | | | Sysmex BX-3010 Chemistry Analyzer Analytical Parameters | | |
|---|------------------|-------------|---------------|---|--|------|
| Method No. | * | Method Name | CK MB | Sample | Serum | |
| Limit Checks | | | | Blank measurement | Blank measurement: Disable reagent blank and C1 blank | |
| <input checked="" type="checkbox"/> Duplicate Limit | | 10 | mAbs/10 | Measurement of Reagent Blank during Run: | None | |
| <input checked="" type="checkbox"/> Sensitivity Limit | | 110 | mAbs/10 | Reagent blank measurement at calibration: | Reagent blank (No sample) | |
| <input checked="" type="checkbox"/> Linearity Limit | | 10 | % | The number of measurement: | Duplicate | |
| | | 230 | (mAbs/10)/min | Reagent blank limit checks: | <input checked="" type="checkbox"/> Duplicate Limit 10 mAbs/10 | |
| <input type="checkbox"/> Prozone Limit | | Higher | % | Instrument Factor | a | 1.00 |
| | | | | | b | 0.00 |
| | SL1-S | | SL1-F | | | |
| | SL2-S | | SL2-F | | | |
| | Sensitivity | | mAbs/10 | | | |
| <input checked="" type="checkbox"/> Absorbance Limit | | | | | | |
| | Abs. in reaction | Increase | | | | |
| | Limit | 17000 | mAbs/10 | | | |

Calibration Registration

**Sysmex BX-3010 Chemistry Analyzer
Analytical Parameters**

Method No.

Method Name

Sample Type

Replication

Check Interval

Test without calibration

Calibration Type

Reagent Lot

Calibrator Name

Reagent Lot No.

(R1)
(R2)

Last



The calibration curve is lot dependent

| | Conc. | WORK | MASTER | Calibr. Lot No. | <input type="checkbox"/> All |
|----|-------|-----------------|-----------------|-----------------|------------------------------|
| C1 | 0 | Automatic entry | Automatic entry | * | |
| C2 | * | Automatic entry | Automatic entry | * | |
| C3 | * | | | | |
| C4 | * | | | | |
| C5 | * | | | | |
| C6 | * | | | | |
| C7 | * | | | | |

K C1 Blank
 Reagent Blank for C1

Reagent blank mAbs/10 Last

Blank mAbs/10 Last

Calibration Curve Conc.


Absorbance mAbs/10

*Entered by user

| Chemistry Parameters | | Sysmex BX-4000 Chemistry Analyzer Analytical Parameters | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------------------|---|--|------------------------------------|---|-----|-------------------|-----|-----|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|-----------|---|---|
| Method | * <input type="text"/> | Name | <input type="text" value="CK MB"/> | | | | | | | | | | | | | | | | | | | | | | |
| Print Name | <input type="text" value="CK MB"/> | R1 | <input type="text" value="CK MB"/> | <input type="text" value="150"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| Sample | <input type="text" value="Serum"/> | R2 | <input checked="" type="checkbox"/> Enable | <input type="text" value="CK MB"/> | <input type="text" value="38"/> | | | | | | | | | | | | | | | | | | | | |
| Unit | <input type="text" value="U/L"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| Assay Type | <input type="text" value="Rate"/> | Diluent | <input type="checkbox"/> Enable | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| Measuring points | | Start | End | Decimal Points | <input type="text" value="0"/> | | | | | | | | | | | | | | | | | | | | |
| | | 1 | <input type="text" value="54"/> | - | <input type="text" value="67"/> | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Enable | | 2 | <input type="text"/> | - | <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| Wave Length | | Normal Range | | | | | | | | | | | | | | | | | | | | | | | |
| Prim. | <input type="text" value="340"/> | Sec | <input type="checkbox"/> Disable | <input type="text" value="415"/> | | | | | | | | | | | | | | | | | | | | | |
| | | <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Normal Range Name</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Male-G1</td> <td>*</td> <td>*</td> </tr> <tr> <td>2</td> <td>Male-G2</td> <td>*</td> <td>*</td> </tr> <tr> <td>3</td> <td>Male-G3</td> <td>*</td> <td>*</td> </tr> <tr> <td>4</td> <td>Female-G1</td> <td>*</td> <td>*</td> </tr> </tbody> </table> | | | | No. | Normal Range Name | Min | Max | 1 | Male-G1 | * | * | 2 | Male-G2 | * | * | 3 | Male-G3 | * | * | 4 | Female-G1 | * | * |
| No. | Normal Range Name | Min | Max | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Male-G1 | * | * | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Male-G2 | * | * | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Male-G3 | * | * | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Female-G1 | * | * | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Dilution | <input type="text" value="7.5"/> | Sample (µL) | <input type="text"/> | Diluent (µL) | <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Rerun (High/Prozone) | <input type="text"/> | | | Technical Range | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Dilution | <input type="text" value="7.5"/> | | | (Conc) | <input type="text" value="4"/> - <input type="text" value="2000"/> | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Rerun (Low) | <input type="text"/> | | | (mAbs/10) | <input type="text"/> - <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Dilution | <input type="text" value="7.5"/> | | | SPT Wash | <input type="checkbox"/> Enable <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| | | | | Stirring Speed | R1 <input type="text" value="Middle"/> R2 <input type="text" value="Middle"/> | | | | | | | | | | | | | | | | | | | | |

*Entered by user

| Chemistry Parameters | | Sysmex BX-4000 Chemistry Analyzer Analytical Parameters | | | |
|---|--|---|------------------------------------|--------|------------------------------------|
| Method No. | * <input type="text"/> | Name | <input type="text" value="CK MB"/> | Sample | <input type="text" value="Serum"/> |
| Limit Checks | | Blank measurement | | | |
| <input checked="" type="checkbox"/> Duplicate Limit | <input type="text" value="10"/> mAbs/10 | Blank measurement: | | | |
| <input checked="" type="checkbox"/> Sensitivity Limit | <input type="text" value="110"/> mAbs/10 | <input type="text" value="Disable reagent blank and S1 blank"/> | | | |
| <input checked="" type="checkbox"/> Linearity Limit | <input type="text" value="10"/> % <input type="text" value="230"/> (mAbs/10)/min | Measurement of Reagent Blank during Run: | | | |
| <input type="checkbox"/> Prozone Limit | <input type="text"/> % <input type="text" value="Upper"/> | <input type="text" value="None"/> | | | |
| | SL1-S <input type="text"/> - SL1-F <input type="text"/> | Reagent blank measurement at calibration: | | | |
| | SL2-S <input type="text"/> - SL2-F <input type="text"/> | <input type="text" value="Reagent blank (No sample)"/> | | | |
| | Sensitivity <input type="text"/> mAbs/10 | The number of measurement: | | | |
| <input checked="" type="checkbox"/> Absorbance Limit | | <input type="text" value="Duplicate"/> | | | |
| | Reaction <input type="text" value="Increase"/> | Reagent blank limit checks: | | | |
| | Limit <input type="text" value="17000"/> mAbs/10 | <input checked="" type="checkbox"/> Duplicate Limit <input type="text" value="10"/> mAbs/10 | | | |
| | | Instrument Factor | | | |
| | | a <input type="text" value="1.00"/> b <input type="text" value="0.00"/> | | | |

| <u>Registration Calibration</u> | | Sysmex BX-4000 Chemistry Analyzer Analytical Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|-----------------|-------------|------------------------------|------------------------------|----|---|-----------------|-----------------|--|--|----|---|-----------------|-----------------|--|--|----|---|--|--|--|--|----|---|--|--|--|--|----|---|--|--|--|--|----|---|--|--|--|--|----|---|--|--|--|--|--|
| Method <input style="width: 80px;" type="text" value="*"/> Name <input style="width: 100px;" type="text" value="CK MB"/> Sample <input style="width: 100px;" type="text" value="Serum"/> Sampling <input style="width: 100px;" type="text" value="Duplicate"/> Check Interval <input style="width: 50px;" type="text" value="42"/> days Auto <input style="width: 100px;" type="text" value="Change Lot"/> <input style="width: 100px;" type="text" value="Full Calibration"/> Auto Interval <input style="width: 50px;" type="text"/> hours Type <input style="width: 100px;" type="text" value="Linear"/> Lot <input style="width: 100px;" type="text" value="New"/> Material Name <input style="width: 150px;" type="text" value="TruCal CK-MB"/> | R Lot No. R1 <input style="width: 80px;" type="text" value="*"/> R2 <input style="width: 80px;" type="text" value="*"/> Last <input style="width: 100px;" type="text"/> <div style="text-align: center;">  <p>The calibration curve is lot dependent</p> </div> Reagent blank <input style="width: 80px;" type="text"/> mAbs/10 Last <input style="width: 80px;" type="text"/> Blank <input style="width: 80px;" type="text" value="Automatic entry"/> mAbs/10 Last <input style="width: 80px;" type="text"/> Type <input style="width: 80px;" type="text"/> Conc. <input style="width: 80px;" type="text"/> Absorbance <input style="width: 80px;" type="text"/> mAbs/10 <input style="background-color: #cccccc; border: none; padding: 2px 5px; margin-left: 10px;"/> Recalculation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 15%;">Conc.</th> <th style="width: 15%;">WORK</th> <th style="width: 15%;">MASTER</th> <th style="width: 15%;">Lot No. (S)</th> <th style="width: 10%;"><input type="checkbox"/> All</th> </tr> </thead> <tbody> <tr> <td>S1</td> <td>0</td> <td>Automatic entry</td> <td>Automatic entry</td> <td></td> <td></td> </tr> <tr> <td>S2</td> <td>*</td> <td>Automatic entry</td> <td>Automatic entry</td> <td></td> <td></td> </tr> <tr> <td>S3</td> <td>*</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>S4</td> <td>*</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>S5</td> <td>*</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>S6</td> <td>*</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>S7</td> <td>*</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>K <input style="width: 80px;" type="text" value="Automatic entry"/> <input type="checkbox"/> S1 Blank <input type="checkbox"/> Reagent Blank for S1</p> | | Conc. | WORK | MASTER | Lot No. (S) | <input type="checkbox"/> All | S1 | 0 | Automatic entry | Automatic entry | | | S2 | * | Automatic entry | Automatic entry | | | S3 | * | | | | | S4 | * | | | | | S5 | * | | | | | S6 | * | | | | | S7 | * | | | | | |
| | Conc. | WORK | MASTER | Lot No. (S) | <input type="checkbox"/> All | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S1 | 0 | Automatic entry | Automatic entry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S2 | * | Automatic entry | Automatic entry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S3 | * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S4 | * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S5 | * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S6 | * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S7 | * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Entered by user | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |