

Cholesterol FS*

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

Order Information

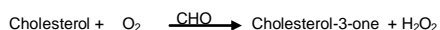
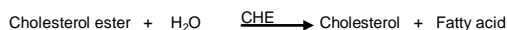
| Cat. No. | Kit size | Number of tests |
|------------------|----------------|--|
| 1 1300 99 10 970 | R1 4 x 31.7 mL | BX-3010 4 x 200 tests BX-4000 4 x 154 tests |

Method

"CHOD-PAP": enzymatic photometric test

Principle

Determination of cholesterol after enzymatic hydrolysis and oxidation. The colorimetric indicator is quinoneimine which is generated from 4-aminoantipyrine and phenol by hydrogen peroxide under the catalytic action of peroxidase (Trinder's reaction) [1,2].



Reagent

Components and Concentrations

| | | |
|----------------------|--------|------------|
| Good's buffer | pH 6.7 | 50 mmol/L |
| Phenol | | 5 mmol/L |
| 4-Aminoantipyrine | | 0.3 mmol/L |
| Cholesterol esterase | (CHE) | ≥ 200 U/L |
| Cholesterol oxidase | (CHO) | ≥ 50 U/L |
| Peroxidase | (POD) | ≥ 3 kU/L |

Storage Instructions and Reagent Stability

The reagent is 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 reagent!

Warnings and Precautions

- The reagent contains sodium azide (0.95 g/L) as preservative. Do not swallow! Avoid contact with skin and mucous membranes.
- N-acetylcysteine (NAC), acetaminophen and metemazole medication leads to falsely low results in patient samples.
- In very rare cases, samples of patients with gammopathy might give falsified results [8].
- 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 reagent is ready to use. The bottles are placed directly into the reagent tray.

Specimen

Serum, heparin plasma or EDTA plasma

Stability [3]:

| | | |
|----------|----|-----------|
| 7 days | at | 20 – 25°C |
| 7 days | at | 4 – 8°C |
| 3 months | at | –20°C |

Freeze only once. Discard contaminated specimens.

Calibrators and Controls

For calibration the DiaSys TruCal U calibrator is recommended. The assigned values of the calibrator have been made traceable to the reference method gas chromatography-isotope dilution mass spectrometry (GC-IDMS). For internal quality control DiaSys TruLab N and P or TruLab L controls should be assayed. Each laboratory should establish corrective actions in case of deviations in control recovery.

| | Cat. No. | Kit size |
|------------------|------------------|-----------|
| TruCal U | 5 9100 99 10 063 | 20 x 3 mL |
| | 5 9100 99 10 064 | 6 x 3 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 |
| TruLab L Level 1 | 5 9020 99 10 065 | 3 x 3 mL |
| TruLab L Level 2 | 5 9030 99 10 065 | 3 x 3 mL |

Performance Characteristics

| | |
|---|------------------------------------|
| Measuring range up to 750 mg/dL (19.4 mmol/L) cholesterol (in case of higher concentrations re-measure samples after manual dilution with NaCl (9 g/L) or use rerun function) | |
| Limit of detection** | 1 mg/dL (0.026 mmol/L) cholesterol |
| On-board stability | 6 weeks |
| Calibration stability | 6 weeks |

| Interfering substance | Interferences < 10% | Analyte concentration |
|-------------------------|---------------------|-------------------------|
| Ascorbate | up to 6 mg/dL | 166 mg/dL (4.29 mmol/L) |
| Hemoglobin | up to 300 mg/dL | 228 mg/dL (5.90 mmol/L) |
| Bilirubin, conjugated | up to 13 mg/dL | 193 mg/dL (4.99 mmol/L) |
| Bilirubin, unconjugated | up to 15 mg/dL | 209 mg/dL (5.41 mmol/L) |
| Lipemia (triglycerides) | up to 2000 mg/dL | 180 mg/dL (4.66 mmol/L) |

For further information on interfering substances refer to Young DS [7].

| Precision (BX-3010) | | | |
|------------------------------|----------|----------|----------|
| Within run (n=20) | Sample 1 | Sample 2 | Sample 3 |
| Mean [mg/dL] | 82.2 | 137 | 286 |
| Mean [mmol/L] | 2.13 | 3.54 | 7.39 |
| Coefficient of variation [%] | 2.02 | 1.82 | 1.70 |
| Between run (n=20) | Sample 1 | Sample 2 | Sample 3 |
| Mean [mg/dL] | 142 | 225 | 340 |
| Mean [mmol/L] | 3.67 | 5.83 | 8.79 |
| Coefficient of variation [%] | 3.01 | 2.07 | 1.49 |

| Method comparison (n=106) | |
|----------------------------|-----------------------------------|
| Test x | Cholesterol FS (BioMajesty 6010C) |
| Test y | Cholesterol FS (BX-3010) |
| Slope | 1.002 |
| Intercept | –4.04 mg/dL (–0.104 mmol/L) |
| Coefficient of correlation | 0.999 |

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

Conversion factor

Cholesterol [mg/dL] x 0.02586 = Cholesterol [mmol/L]

Reference Range [4]

| | |
|----------------------|------------------------------------|
| Desirable | < 200 mg/dL (< 5.2 mmol/L) |
| Borderline high risk | 200 – 240 mg/dL (5.2 – 6.2 mmol/L) |
| High risk | ≥ 240 mg/dL (≥ 6.2 mmol/L) |

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

Clinical Interpretation

The European Task Force on Coronary Prevention recommends to lower TC concentration to less than 190 mg/dL (5.0 mmol/L) and LDL-cholesterol to less than 115 mg/dL (3.0 mmol/L) [5].

Literature

- Artiss JD, Zak B. Measurement of cholesterol concentration. In: Rifai N, Warnick GR, Dominiczak MH, eds. Handbook of lipoprotein testing. Washington: AACC Press, 1997: p. 99-114.
- Deeg R, Ziegenhorn J. Kinetic enzymatic method for automated determination of total cholesterol in serum. Clin Chem 1983; 29: 1798-802.
- Guder WG, Zawta B et al. The Quality of Diagnostic Samples. 1st ed. Darmstadt: GIT Verlag; 2001. p. 22-3.
- Schaefer EJ, McNamara J. Overview of the diagnosis and treatment of lipid disorders. In: Rifai N, Warnick GR, Dominiczak MH, eds. Handbook of lipoprotein testing. Washington: AACC press, 1997: p. 25-48.
- Recommendation of the Second Joint Task Force of European and other Societies on Coronary Prevention. Prevention of coronary heart disease in clinical practice. Eur Heart J 1998; 19: 1434-503.
- Rifai N, Bachorik PS, Albers JJ. Lipids, lipoproteins and apolipoproteins. In: Burtis CA, Ashwood ER, editors. Tietz Textbook of Clinical Chemistry. 3rd ed. Philadelphia: W.B Saunders Company; 1999. p. 809-61.
- 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.
- 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. | * <input type="text"/> | Method Name | <input type="text" value="CHOL"/> | Reagent Name | Reagent (μL) | Water (μL) | | | | | | | | | | | | | | | | | | | | |
| Print Name | <input type="text" value="Cholesterol"/> | MethodColor | <input type="text"/> | R1 | <input type="text" value="CHOL"/> | <input type="text" value="136"/> | | | | | | | | | | | | | | | | | | | | |
| Sample Type | <input type="text" value="Serum"/> | | | R2 | <input type="text" value="Disable"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| Unit | <input type="text" value="mg/dL"/> | | | Diluent | <input type="text" value="Disable"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| Assay Type | <input type="text" value="End"/> | | | Sample Ppt. Wash | <input type="text" value="Disable"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| Measuring points | | Start | End | Stirring Speed R1 | <input type="text" value="Middle"/> | R2 <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| | 1 | <input type="text" value="45"/> | - <input type="text" value="46"/> | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | <input type="text" value="Disable"/> | - <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | |
| Wave Length | Prim. <input type="text" value="510"/> | Sec. <input type="text" value="700"/> | | <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 | (Conc) | <input type="text" value="1"/> - <input type="text" value="750"/> | | | | | | | | | | | | | | | | | | | | |
| | Low | Normal | High | | (mAbs/10) | <input type="text" value="*"/> - <input type="text" value="*"/> | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Diluent <input type="text" value="0.0"/> < <input type="text" value="1.5"/> | < <input type="text" value="0.0"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | |
| | Rerun (High/Prozone) | | | Previous Result Comparison (%) | <input type="text" value="*"/> | <input type="text" value="*"/> % | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Diluent <input type="text" value="0.0"/> < <input type="text" value="1.5"/> | < <input type="text" value="0.0"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | |
| | Rerun (Low) | | | Abnormal Range | (Conc) | <input type="text" value="*"/> - <input type="text" value="*"/> | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Diluent <input type="text" value="0.0"/> < <input type="text" value="1.5"/> | < <input type="text" value="0.0"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Panic Range | (Conc) | <input type="text" value="*"/> - <input type="text" value="*"/> | | | | | | | | | | | | | | | | | | | | |
| | | | | Decimal Point | <input type="text" value="0"/> | Profile SI <input type="text" value="Disable"/> | | | | | | | | | | | | | | | | | | | | |

*Entered by user

| Chemistry Parameters 2 | | Sysmex BX-3010 Chemistry Analyzer Analytical Parameters | |
|-------------------------------------|--|---|------------------------------------|
| Method No. | * <input type="text"/> | Method Name | <input type="text" value="CHOL"/> |
| | | Sample | <input type="text" value="Serum"/> |
| Limit Checks | | Blank measurement | |
| <input checked="" type="checkbox"/> | Duplicate Limit <input type="text" value="50"/> mAbs/10 | Blank measurement: | |
| <input checked="" type="checkbox"/> | Sensitivity Limit <input type="text" value="500"/> mAbs/10 | <input type="text" value="Disable reagent blank and C1 blank"/> | |
| <input checked="" type="checkbox"/> | Linearity Limit <input type="text"/> % | Measurement of Reagent Blank during Run: | |
| | <input type="text"/> (mAbs/10)/min | <input type="text" value="None"/> | |
| <input type="checkbox"/> | Prozone Limit <input type="text" value="Higher"/> % | Reagent blank measurement at calibration: | |
| | <input type="text"/> | <input type="text" value="Reagent blank (No sample)"/> | |
| | SL1-S <input type="text"/> - SL1-F <input type="text"/> | The number of measurement: | |
| | SL2-S <input type="text"/> - SL2-F <input type="text"/> | <input type="text" value="Duplicate"/> | |
| | Sensitivity <input type="text"/> mAbs/10 | Reagent blank limit checks: | |
| <input checked="" type="checkbox"/> | Absorbance Limit | <input checked="" type="checkbox"/> Duplicate Limit <input type="text" value="20"/> mAbs/10 | |
| | Abs. in reaction <input type="text" value="Increase"/> | | |
| | Limit <input type="text" value="25000"/> mAbs/10 | Instrument Factor | |
| | | a | <input type="text" value="1.00"/> |
| | | b | <input type="text" value="0.00"/> |

Cholesterol FS*

Chemistry Code 100 21

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

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

K C1 Blank
 Reagent Blank for C1

Reagent Lot No.
(R1)
(R2)

Last

The calibration curve is lot dependent

Reagent blank mAbs/10 Last

Blank mAbs/10 Last

Calibration Curve Conc.

Absorbance mAbs/10

*Entered by user

Cholesterol FS*

Chemistry Code 100 21

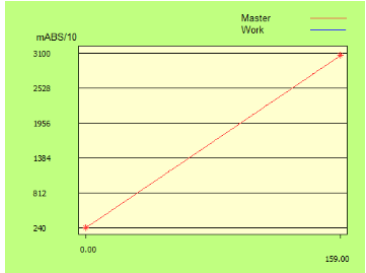
| Chemistry Parameters | | Sysmex BX-4000 Chemistry Analyzer Analytical Parameters | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|----------------------------------|----------------------------------|-------------------------------------|-----|----------------------------------|-----|-----|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|-----------|---|---|
| Method | * <input type="text"/> | Name | <input type="text" value="CHOL"/> | Reagent Name | Reagent (μL) | Water (μL) | | | | | | | | | | | | | | | | | | | | |
| Print Name | <input type="text" value="Cholesterol"/> | R1 | <input type="text" value="CHOL"/> | <input type="text" value="180"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| Sample | <input type="text" value="Serum"/> | R2 | <input checked="" type="checkbox"/> Enable | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| Unit | <input type="text" value="mg/dL"/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Assay Type | <input type="text" value="End"/> | Diluent | <input type="checkbox"/> Enable | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| Measuring points | Start | End | Decimal Points | <input type="text" value="0"/> | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | <input type="text" value="67"/> | - | <input type="text" value="68"/> | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Enable | 2 | <input type="text"/> | - | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | |
| Wave Length | Prim. | <input type="text" value="510"/> | Sec | <input type="checkbox"/> Disable | <input type="text" value="700"/> | | | | | | | | | | | | | | | | | | | | | |
| <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 | Sampling | Sample (μL) | Diluent (μL) | Technical Range | (Conc) | <input type="text" value="1"/> | - | <input type="text" value="750"/> | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Dilution | <input type="text" value="2.0"/> | <input type="text"/> | <input type="text"/> | | (mAbs/10) | <input type="text"/> | - | <input type="text"/> | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Rerun (High/Prozone) | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Dilution | <input type="text" value="2.0"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Rerun (Low) | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Dilution | <input type="text" value="2.0"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | SPT Wash | <input type="checkbox"/> Enable | <input type="text"/> | | | | | | | | | | | | | | | | | | | | |
| | | | | Stirring Speed | R1 | <input type="text" value="Middle"/> | R2 | <input type="text"/> | | | | | | | | | | | | | | | | | | |

*Entered by user

| Chemistry Parameters | | Sysmex BX-4000 Chemistry Analyzer Analytical Parameters | | | |
|---|----------------------------------|--|------------------------------------|-----------------------------------|------------------------------------|
| Method No. | * <input type="text"/> | Name | <input type="text" value="CHOL"/> | Sample | <input type="text" value="Serum"/> |
| Limit Checks | | | | | |
| <input checked="" type="checkbox"/> Duplicate Limit | <input type="text" value="50"/> | mAbs/10 | | | |
| <input checked="" type="checkbox"/> Sensitivity Limit | <input type="text" value="500"/> | mAbs/10 | | | |
| <input checked="" type="checkbox"/> Linearity Limit | <input type="text"/> | % | <input type="text"/> | (mAbs/10)/min | |
| <input type="checkbox"/> Prozone Limit | <input type="text"/> | % | <input type="text" value="Upper"/> | | |
| | SL1-S | <input type="text"/> | - | SL1-F | <input type="text"/> |
| | SL2-S | <input type="text"/> | - | SL2-F | <input type="text"/> |
| | Sensitivity | <input type="text"/> | mAbs/10 | | |
| <input checked="" type="checkbox"/> Absorbance Limit | | | | | |
| | Reaction | <input type="text" value="Increase"/> | | | |
| | Limit | <input type="text" value="25000"/> | mAbs/10 | | |
| Blank measurement | | | | | |
| Blank measurement: | | | | | |
| <input type="text" value="Disable reagent blank and S1 blank"/> | | | | | |
| Measurement of Reagent Blank during Run: | | | | | |
| <input type="text" value="None"/> | | | | | |
| Reagent blank measurement at calibration: | | | | | |
| <input type="text" value="Reagent blank (No sample)"/> | | | | | |
| The number of measurement: | | | | | |
| <input type="text" value="Duplicate"/> | | | | | |
| Reagent blank limit checks: | | | | | |
| <input checked="" type="checkbox"/> Duplicate Limit | <input type="text" value="20"/> | mAbs/10 | | | |
| Instrument Factor | | | | | |
| | a | <input type="text" value="1.00"/> | b | <input type="text" value="0.00"/> | |

Cholesterol FS*

Chemistry Code 100 21

| Registration Calibration | | Sysmex BX-4000 Chemistry Analyzer Analytical Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|-------|------|--------|--|----|--------------------------------|-----------------|-----------------|----|---|-----------------|-----------------|----|---|--|--|----|---|--|--|----|---|--|--|----|---|--|--|----|---|--|--|
| Method <input type="text" value="*"/> | Name <input type="text" value="CHOL"/> | R Lot No. R1 <input type="text" value="*"/> | Last <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample <input type="text" value="Serum"/> | | R2 <input type="text" value="*"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampling <input type="text" value="Duplicate"/> | |  <p>The calibration curve is lot dependent</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Check Interval <input type="text" value="42"/> days | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auto <input type="text" value="Change Lot"/> <input type="text" value="Full Calibration"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auto Interval <input type="text"/> hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type <input type="text" value="Linear"/> Lot <input type="text" value="New"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Material Name <input type="text" value="NaCL/TruCal U"/> | | Reagent blank <input type="text"/> mAbs/10 | Last <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Blank <input type="text" value="Automatic entry"/> mAbs/10 | Last <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Type <input type="text"/> | Conc. <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Absorbance <input type="text"/> mAbs/10 | <input type="button" value="Recalculation"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Conc.</th> <th>WORK</th> <th>MASTER</th> <th>Lot No. (S) <input type="checkbox"/> All</th> </tr> </thead> <tbody> <tr> <td>S1</td> <td><input type="text" value="0"/></td> <td>Automatic entry</td> <td>Automatic entry</td> </tr> <tr> <td>S2</td> <td>*</td> <td>Automatic entry</td> <td>Automatic entry</td> </tr> <tr> <td>S3</td> <td>*</td> <td></td> <td></td> </tr> <tr> <td>S4</td> <td>*</td> <td></td> <td></td> </tr> <tr> <td>S5</td> <td>*</td> <td></td> <td></td> </tr> <tr> <td>S6</td> <td>*</td> <td></td> <td></td> </tr> <tr> <td>S7</td> <td>*</td> <td></td> <td></td> </tr> </tbody> </table> | | | | Conc. | WORK | MASTER | Lot No. (S) <input type="checkbox"/> All | S1 | <input type="text" value="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 | <input type="text" value="0"/> | Automatic entry | Automatic entry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S2 | * | Automatic entry | Automatic entry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S3 | * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S4 | * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S5 | * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S6 | * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S7 | * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K <input type="text" value="Automatic entry"/> <input type="checkbox"/> S1 Blank <input type="checkbox"/> Reagent Blank for S1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Entered by user | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |