## respons®910

## Lp(a) 21 FS\*

Diagnostic reagent for quantitative in vitro determination of lipoprotein (a) [Lp(a)] in serum or plasma on DiaSys respons<sup>®</sup>910

#### **Order Information**

Cat. No. 1 7139 99 10 921

4 twin containers for 100 tests each

#### Method

Particle enhanced immunoturbidimetric test

#### Principle

Determination of the Lp(a) concentration by photometric measurement of antigen-antibody-reaction between antibodies against Lp(a) bound to particles and Lp(a) present in the sample.

#### Reagents

#### **Components and Concentrations**

| R1: | Glycine-buffer                         | pH 8.3 | <1.5% |  |  |
|-----|--|--------|-------|--|--|
| R2  | Glycine-buffer                         | pH 8.2 | <1.5% |  |  |
|     | Latex particles coated with anti-human |        |       |  |  |
|     | lipoprotein (a) antibody (rabbit)      |        |       |  |  |

#### Storage Instructions and Reagent Stability

The reagents are stable up to the end of the indicated month of expiry, if stored at  $2-8^{\circ}$ C and contamination is avoided. Do not freeze the reagents!

#### Warnings and Precautions

- 1. The reagents contain sodium azide (0.95 g/L) as preservative. Do not swallow! Avoid contact with skin and mucous membranes!
- 2. The reagents contain biological material. Handle the product as potentially infectious according to universal precautions and good laboratory practice.
- 3. In very rare cases, samples of patients with gammopathy might give falsified results [8].
- 4. 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.
- 5. 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 rotor.

#### Specimen

Serum, heparin plasma or EDTA plasma

| Stability [1]: |    |           |
|----------------|----|-----------|
| 2 days         | at | 20 – 25°C |
| 2 weeks        | at | 4 – 8°C   |
| 3 months       | at | –20°C     |

Freeze only once! Discard contaminated specimens.

#### **Calibrators and Controls**

For the calibration the DiaSys TruCal Lp(a) 21 calibrator set is recommended. The assigned values of the calibrator in nmol/L have been made traceable to the WHO/IFCC SRM<sup>®</sup>-2B reference material and the assigned values of the calibrator in mg/dL have been made traceable to a reference preparation. For internal quality control a DiaSys TruLab Lp(a) control should be assayed. Each laboratory should establish corrective action in case of deviations in control recovery.

|                            | Cat. No.         |   | Kit s | size |
|----------------------------|------------------|---|-------|------|
| TruCal Lp(a) 21 (5 levels) | 1 7140 99 10 059 | 5 | х     | 1 mL |
| TruLab Lp(a) Level 1       | 5 9830 99 10 046 | 3 | х     | 1 mL |
| TruLab Lp(a) Level 2       | 5 9840 99 10 046 | 3 | Х     | 1 mL |

#### **Performance Characteristics**

| Measuring range up to 110 mg/dL (260 nmol/L) Lp(a), depending on the concentration of the highest calibrator (in case of higher concentrations re-measure samples after manual dilution with NaCl solution (9 g/L) or use rerun function). |                                  |                 |                  |           |             |
|--|----------------------------------|-----------------|------------------|-----------|-------------|
| Limit of detection** 2 mg/dL Lp(a)   |                                  |                 |                  |           |             |
| No prozone effect up to 400 mg/dL (800 nmol/L) Lp(a)   |                                  |                 |                  |           |             |
| On-board stability   |                                  | 6 weeks         |                  |           |             |
| Calibration stability  |                                  | 3 weeks         |                  |           |             |
| Interfering substance  | Interferences<br>< 10%           |                 | Lp(a)<br>[mg/dL] |           |             |
| Hemoglobin   | up to                            | 550 mg/dL       |                  | 35.4      |             |
|  | up to                            | up to 550 mg/dL |                  | 62.4      |             |
| Bilirubin, conjugated  | up to                            | 45 mg/dL        |                  |           | 34.4        |
|  | up to 45 mg/dL                   |                 |                  | 81.9      |             |
| Bilirubin, unconjugated  | up to 45 mg/dL                   |                 | 34.8             |           |             |
|  | up to 45 mg/dL 82.1              |                 | 82.1             |           |             |
| Lipemia (triglycerides)  | up to 2000 mg/dL                 |                 | 31.0             |           |             |
| Dharman at a lat fa at a m   | up to                            | 2000 mg/d       | L                |           | 99.5        |
| Rneumatoid factor  | up to                            | 500 IU/mL       |                  |           | 34.2        |
| Up   |                                  | 0 700 IU/ML     |                  | farta Vai | 78.9        |
|  | lenem                            | ig substance    | esie             |           | ing DS [2]. |
| Precision  |                                  |                 |                  |           |             |
| Within run (n=20)  |                                  | Sample 1        | Sa               | mple 2    | Sample 3    |
| Mean [mg/dL]   |                                  | 16.4            |                  | 28.2      | 78.9        |
| Coefficient of variation [%]   |                                  | 3.19            |                  | 1.15      | 0.80        |
| Between run (n=20)   |                                  | Sample 1        | Sa               | mple 2    | Sample 3    |
| Mean [mg/dL]   |                                  | 15.1            |                  | 21.7      | 70.8        |
| Coefficient of variation [%]   |                                  | 4.58            |                  | 2.83      | 2.42        |
| Method comparison (n=129)  |                                  |                 |                  |           |             |
| Test x   | DiaSys Lp(a) 21 FS (Hitachi 917) |                 |                  |           |             |
| Test y   | DiaS                             | ys Lp(a) 21     | FS (             | respons®  | 910)        |
| Slope  | 1.025                            |                 |                  |           |             |
| Intercept -0.662 mg/dL   |                                  |                 |                  |           |             |
| Coefficient of correlation 0.999   |                                  |                 |                  |           |             |

\*\* according to NCCLS document EP17-A, vol. 24, no. 34

#### Reference Range

< 30 mg/dL [4]

< 75 nmol/L for Caucasians [7]

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

#### Literature

IVD

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- 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.
- Nordestgaard BG, Chapman MJ, Ginsberg HN. Lipoprotein (a): EAS Recommendations for Screening, Desirable Levels and Management. The European Atherosclerosis Society (EAS) Consensus Panel 2012.
- Riesen WF. Lipid metabolism. In: Thomas L, editor. Clinical laboratory diagnostics. 1<sup>st</sup> ed. Frankfurt: TH-Books Verlagsgesellschaft; 1998. p. 174-5.
- Rifai N, Bachorik PS, Albers JJ. Lipids, lipoproteins and apolipoproteins. In: Burtis CA, Ashwood ER, editors. Tietz Textbook of Clinical Chemistry. 3<sup>rd</sup> ed. Philadelphia: W.B Saunders Company; 1999. p. 809-61.
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- Marcovina SM, Koschinsky ML et al. Report of the national heart, lung, and blood institute workshop of Lipoprotein(a) and cardiovascular disease: recent advances and future directions. Clin Chem 2003; 49(11): 1785-96.
- Bakker AJ, Mücke M. Gammopathy interference in clinical chemistry assays: Mechanisms, detection and prevention. Clin Chem Lab Med 2007; 45(9): 1240–1243.

#### Manufacturer

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### Application for serum and plasma samples

This application was set up and evaluated by DiaSys. It is based on the standard equipment at that time and does not apply to any equipment modifications undertaken by unqualified personnel.

| Identification  |  |
|---|--|
| This method is usable for analysis:   | Yes  |
| Twin reaction:  | No   |
| Name:   | LPA  |
| Shortcut:   |  |
| Reagent barcode reference:  | 710  |
| Host reference:   | 710  |
|   |  |
| Technic   |  |
| Туре:   | Fixed time kinetic   |
| First reagent:[µL]  | 120  |
| Blank reagent   | Yes  |
| Sensitive to light  |  |
| Second reagent:[µL]   | 60   |
| Sensitive to light  | NO   |
| Main wavelength:[nm]  | 700  |
| Secondary wavelength:[nm]   | 700  |
| Polychromatic factor:   |  |
| 1 st reading time [min:sec]   | 04.48  |
| Last reading time [min:sec]   | 10:00  |
| Reaction way:   | Increasing   |
| Linear Kinetics   | g  |
| Substrate depletion: Absorbance limit   |  |
| Linearity: Maximum deviation [%]  |  |
| Fixed Time Kinetics   |  |
| Substrate depletion: Absorbance limit   |  |
| Endpoint  |  |
| Stability: Largest remaining slope  |  |
| Prozone Limit [%]   |  |
|   |  |
| Reagents  |  |
| Decimals  |  |
| Units   |  |
|   |  |
| Sample  |  |
| Diluent   | DIL A (NaCl)   |
| Hemolysis:  |  |
| Agent [µL]  | 0 (no hemolysis)   |
|   |  |
| Cleaner   |  |
| Cleaner<br>Sample [µL]  | 0  |
| Cleaner<br>Sample [µL]<br>Technical limits  | 0  |
| Cleaner<br>Sample [µL]<br>Technical limits  | 0  |
| Cleaner<br>Sample [µL]<br>Technical limits<br>Concentration technical limits-Lower  | 0  |
| Cleaner<br>Sample [µL]<br>Technical limits<br>Concentration technical limits-Lower<br>Concentration technical limits-Upper  | 0<br>2.0000<br>110.0000  |
| Cleaner<br>Sample [µL]<br>Technical limits<br>Concentration technical limits-Lower<br>Concentration technical limits-Upper<br>SERUM   | 0<br>2.0000<br>110.0000  |
| Cleaner<br>Sample [µL]<br>Technical limits<br>Concentration technical limits-Lower<br>Concentration technical limits-Upper<br>SERUM<br>Normal volume [µL]   | 0<br>2.0000<br>110.0000<br>4.0   |
| Cleaner<br>Sample [µL]<br>Technical limits<br>Concentration technical limits-Lower<br>Concentration technical limits-Upper<br>SERUM<br>Normal volume [µL]<br>Normal dilution (factor)   | 0<br>2.0000<br>110.0000<br>4.0<br>1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Delemented diffusion  | 0<br>2.0000<br>110.0000<br>4.0<br>1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)  | 0<br>2.0000<br>110.0000<br>4.0<br>1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]   | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Above normal dilution (factor)     LIDINE   | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Above normal dilution (factor)     URINE     Normal volume [µL]  | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>4.0<br>4.0<br>4.0<br>4.0<br>4.0<br>4.0<br>4.0  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Above normal dilution (factor)     URINE     Normal dilution (factor)   | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal dilution (factor)     Above normal dilution (factor)     URINE     Normal volume [µL]     Normal volume [µL]     Normal volume [µL]     Normal volume [µL]   | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal dilution (factor)     Above normal dilution (factor)     URINE     Normal volume [µL]     Normal volume [µL]     Below normal dilution (factor)     URINE     Normal dilution (factor)     Below normal volume [µL]   | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Below normal dilution (factor)     Above normal volume [µL]     Above normal dilution (factor)     URINE     Normal dilution (factor)     Below normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]   | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Below normal dilution (factor)     Above normal volume [µL]     Above normal volume [µL]     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]  | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal dilution (factor)     Above normal dilution (factor)     URINE     Normal volume [µL]     Normal volume [µL]     Normal dilution (factor)     URINE     Normal dilution (factor)     Below normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Below normal dilution (factor)     Above normal volume [µL]     Pelow normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     PLASMA   | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal volume [µL]     Above normal dilution (factor)     URINE     Normal dilution (factor)     Below normal dilution (factor)     URINE     Normal dilution (factor)     Below normal dilution (factor)     Above normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     Above normal dilution (factor)     PLASMA     Normal volume [µL]   | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>4.0<br>4.0<br>4.0<br>4.0<br>4.0<br>4.0<br>4.0  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal dilution (factor)     Above normal dilution (factor)     URINE     Normal volume [µL]     Below normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     Above normal volume [µL]     Below normal dilution (factor)     Above normal volume [µL]     Below normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     Normal volume [µL]     Normal volume [µL]     Normal dilution (factor)   | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>1<br>4.0<br>1<br>4.0<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1   |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal dilution (factor)     Above normal dilution (factor)     URINE     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Normal dilution (factor)     Above normal volume [µL]     Normal dilution (factor)     Above normal volume [µL]     Normal volume [µL]     Normal volume [µL]     Above normal dilution (factor)     Above normal dilution (factor)     PLASMA     Normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)  | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Above normal dilution (factor)     Above normal dilution (factor)     URINE     Normal dilution (factor)     Below normal volume [µL]     Above normal volume [µL]     Normal dilution (factor)     Above normal volume [µL]     Normal dilution (factor)     Above normal volume [µL]     Normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     PLASMA     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]   | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>1<br>4.0<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1   |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Below normal dilution (factor)     Above normal volume [µL]     Above normal volume [µL]     Below normal volume [µL]     Normal dilution (factor)     Above normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]   | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>2.0<br>2.0<br>2.0<br>2.0<br>2.0<br>2.0<br>2.0  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Below normal dilution (factor)     Above normal volume [µL]     Above normal volume [µL]     Above normal dilution (factor)     Below normal volume [µL]     Above normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]  | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Normal volume [µL]     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]  | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>1<br>2.0<br>1<br>1<br>2.0<br>1<br>1<br>1<br>2.0<br>1<br>1<br>1<br>2.0<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1   |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal volume [µL]     Above normal dilution (factor)     URINE     Normal volume [µL]     Below normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     Above normal volume [µL]     Below normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     Below normal dilution (factor)     PLASMA     Normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     Chove normal dilution (factor) </td <td>0     2.0000     110.0000     4.0     1     2.0     1     2.0     1     2.0     1     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     4.0     1     4.0     4.0     4.0</td>   | 0     2.0000     110.0000     4.0     1     2.0     1     2.0     1     2.0     1     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     4.0     1     4.0     4.0     4.0  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal dilution (factor)     Above normal dilution (factor)     URINE     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Below normal dilution (factor)     Above normal volume [µL]     Normal dilution (factor)     Below normal dilution (factor)     Above normal volume [µL]     Below normal dilution (factor)     PLASMA     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Below normal dilution (factor)     Above normal volume [µL]     Below normal volume [µL]     Normal dilution (factor)     Above normal volume [µL]     Normal volume [µL] </td <td>0<br/>2.0000<br/>110.0000<br/>4.0<br/>1<br/>2.0<br/>1<br/>2.0<br/>1<br/>4.0<br/>1<br/>2.0<br/>1<br/>4.0<br/>1<br/>2.0<br/>1<br/>4.0<br/>1<br/>2.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>4.0<br/>1<br/>1<br/>4.0<br/>1<br/>1<br/>4.0<br/>1<br/>1<br/>1<br/>1<br/>1<br/>1<br/>1<br/>1<br/>1<br/>1<br/>1<br/>1<br/>1</td> | 0<br>2.0000<br>110.0000<br>4.0<br>1<br>2.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>2.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>4.0<br>1<br>1<br>4.0<br>1<br>1<br>4.0<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal dilution (factor)     URINE     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Normal dilution (factor)     Below normal dilution (factor)     Above normal volume [µL]     Above normal dilution (factor)     Below normal volume [µL]     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Normal dilution (factor)     CSF     Normal dilution (factor)     Below normal volume [µL]     Normal dilution (factor)  | 0     2.0000     110.0000     4.0     1     2.0     1     2.0     1     2.0     1     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     4.0     1     4.0     1     4.0     1     4.0     1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Below normal dilution (factor)     Above normal dilution (factor)     URINE     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Normal dilution (factor)     Above normal volume [µL]     Normal dilution (factor)     Above normal volume [µL]     Below normal dilution (factor)     Above normal dilution (factor)     PLASMA     Normal dilution (factor)     Below normal volume [µL]     Below normal dilution (factor)     Above normal volume [µL]     Above normal dilution (factor)     CSF     Normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)   | 0     2.0000     110.0000     4.0     1     2.0     1     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     4.0     1     4.0     1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Below normal dilution (factor)     Above normal volume [µL]     Above normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Normal dilution (factor)     Above normal volume [µL]     Above normal volume [µL]     Normal volume [µL]     Above normal volume [µL]     Normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Below normal volume [µL] <td>0     2.0000     110.0000     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     2.0     1     2.0     1     2.0     1     2.0     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0</td>   | 0     2.0000     110.0000     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     2.0     1     2.0     1     2.0     1     2.0     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Normal dilution (factor)     Below normal dilution (factor)     Below normal volume [µL]     Normal dilution (factor)     Below normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     PLASMA     Normal dilution (factor)     Below normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     Cospect     Normal dilution (factor)     Below normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Normal dilution (factor)     Below normal volume [µL   | 0     2.0000     110.0000     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     2.0     1     4.0     1     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal volume [µL]     Above normal dilution (factor)     URINE     Normal volume [µL]     Below normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     Above normal volume [µL]     Below normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     PLASMA     Normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     CSF     Normal volume [µL]     Normal volume [µL]     Normal volume [µL]     Normal volume [µL]     Below normal dilution (factor)     CSF     Normal volume [µL]     Normal volume [µL]     Below normal dilution (factor)     Below normal dilution (factor)   | 0     2.0000     110.0000     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     2.0     1     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal dilution (factor)     Above normal dilution (factor)     URINE     Normal volume [µL]     Normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     Below normal dilution (factor)     Above normal dilution (factor)     Below normal dilution (factor)     Above normal dilution (factor)     PLASMA     Normal volume [µL]     Below normal dilution (factor)     Below normal dilution (factor)     Above normal volume [µL]     Above normal dilution (factor)     CSF     Normal dilution (factor)     Below normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Normal volume [µL]     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above   | 0     2.0000     110.0000     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     4.0     1     4.0     1     4.0     1     4.0     1     4.0     1     4.0     1     4.0     1     4.0     1     4.0     4.0     1     4.0     1     4.0  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal dilution (factor)     URINE     Normal volume [µL]     Normal volume [µL]     Below normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal volume [µL]     Below normal v   | 0     2.0000     110.0000     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     2.0     1     2.0     1     4.0     1     4.0     1     4.0     1     4.0     1     4.0     1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Above normal dilution (factor)     Above normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Above normal dilution (factor)     Above normal volume [µL]     Below normal volume [µL]     Below normal dilution (factor)     Above normal volume [µL]     Below normal dilution (factor)     CSF   Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Normal dilution (factor)     Below normal volume [µL] <   | 0     2.0000     110.0000     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     4.0     1     4.0     1     4.0     1     4.0     1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Below normal dilution (factor)     Above normal dilution (factor)     URINE     Normal volume [µL]     Normal volume [µL]     Below normal volume [µL]     Below normal volume [µL]     Normal dilution (factor)     Above normal volume [µL]     Below normal volume [µL]     Above normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     Below normal volume [µL]     Normal volume [µL]     Normal volume [µL]     Below normal dilution (factor)     CSF     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Above normal volume [µL]     Above normal dilution (factor)     Above normal dilution (factor)     Below normal volume [µL]     Normal volume [µL]     Normal volume [µL   | 0     2.0000     110.0000     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     4.0     1     4.0     1     4.0     1     4.0     1  |
| Cleaner     Sample [µL]     Technical limits     Concentration technical limits-Lower     Concentration technical limits-Upper     SERUM     Normal volume [µL]     Normal dilution (factor)     Below normal volume [µL]     Above normal volume [µL]     Above normal volume [µL]     Above normal dilution (factor)     URINE     Normal dilution (factor)     Below normal volume [µL]     Below normal volume [µL]     Below normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     PLASMA     Normal dilution (factor)     Below normal dilution (factor)     Above normal dilution (factor)     Above normal dilution (factor)     CSF     Normal dilution (factor)     Below normal volume [µL]     Normal dilution (factor)     Above normal volume [µL]     Normal dilution (factor)     Above normal volume [µL]     Normal dilution (factor)     Below normal dilution (factor)     Above normal volume [µL]   | 0     2.0000     110.0000     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     4.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1     2.0     1  |

| Results                   |        |
|---------------------------|--------|
| Decimals                  | 2      |
| Units                     | mg/dL  |
| Correlation factor-Offset | 0.0000 |
| Correlation factor-Slope  | 1.0000 |

| Range       |            |
|-------------|------------|
| Gender      | All        |
| Age         |            |
| SERUM       | >= <=30.00 |
| URINE       |            |
| PLASMA      | >= <=30.00 |
| CSF         |            |
| Whole blood |            |
| Gender      |            |
| Age         |            |
| SERUM       |            |
| URINE       |            |
| PLASMA      |            |
| CSF         |            |
| Whole blood |            |

Contaminants Please refer to r910 Carryover Pair Table

| Calibrators details |                |  |  |
|---------------------|----------------|--|--|
| Calibrator list     | Concentration  |  |  |
| Cal. 1/Blank        | 0              |  |  |
| Cal. 2              | *              |  |  |
| Cal. 3              | *              |  |  |
| Cal. 4              | *              |  |  |
| Cal. 5              | *              |  |  |
| Cal. 6              | *              |  |  |
|                     | Max delta abs. |  |  |
| Cal. 1              | 0.0100         |  |  |
| Cal. 2              | 0.0100         |  |  |
| Cal. 3              | 0.0100         |  |  |
| Cal. 4              | 0.0100         |  |  |
| Cal. 5              | 0.0250         |  |  |
| Cal. 6              | 0.0400         |  |  |
| Drift limit [%]     | 2.00           |  |  |

| Calculations |              |
|--------------|--------------|
| Model        | Cubic Spline |
| Degree       |              |

\* Enter calibrator value