

# DIRECT BILIRUBIN

Spectrophotometric  
DIAZOTIZED SULFANILIC

The application parameters comprised here constitute a guide to facilitate the validation of our reagents by the instrument. It is advisable to validate the use when there is any change in software or reagent versions.

Instrument: **SATURNO 300 (=HUMASTAR 300, ANAQUIM 300)**

## Reagent preparation

Working Reagent: Transfer the contents of one Reagent B-D vial into a Reagent A-D bottle. Mix thoroughly.  
Stable for 20 days at 2-8 °C.

## Instrument settings

|   |                      |               |                                |               |
|---|----------------------|---------------|--------------------------------|---------------|
| <b>GENERAL</b>  |                      |               | <b>FILTERS</b>                 |               |
| Test Name   |                      | Bil-D         | First                          | 520           |
| Meas. Unit  |                      | mg/dL         | Second                         | 0             |
| Decimal   |                      | 2             | Bichromatic Factor             | 1             |
| <b>REFERENCE</b>  |                      |               | <b>REACTION</b>                |               |
|   | <b>Min</b>           | <b>Max</b>    | Type                           | End Point     |
| Boy   | 0                    | 0.2           | Read Time                      | 1             |
| Girl  | 0                    | 0.2           | <b>CHECK ABSORBANCE (mAbs)</b> |               |
| Age Limit   | ...                  |               | R. Blank (min)                 | -100          |
| Male  | 0                    | 0.2           | R. Blank (max)                 | 50            |
| Female  | 0                    | 0.2           | Substr. Dept Lim               | 0             |
| Age Limit   | ...                  |               | <b>CALCULATION</b>             |               |
| Male  | 0                    | 0.2           | Factor                         | Multistandard |
| Female  | 0                    | 0.2           |                                | -             |
| <b>LINEARITY LIMIT</b>  |                      |               |                                | *             |
|   |                      | 15 mg/dL      | Std. 1                         | -             |
| <b>QUALITY CONTROL</b>  |                      |               |                                | -             |
| Repeat control every (hrs.)   |                      | ...           | Std. 2                         | -             |
| <b>SAMPLE</b>   |                      |               |                                | -             |
| Voluma (µL)   |                      | 30            | Std. 3                         | -             |
| Predil.ratio  |                      |               | Std. 4                         | -             |
| <b>REAGENTS</b>   |                      |               |                                | -             |
|   | <b>First</b>         | <b>Second</b> | Std. 5                         | -             |
| Features  | Differential - FIXED | -             | Reag. Bias Subst               | No            |
| Volumes (µL)  | 300                  | 0             | <b>LINEAR CORRELATION</b>      |               |
| Incub. (sec.)   | 296                  | 0             | Intercept                      | 0             |
| Cooling   | Yes                  | 0             | Slope                          | 1             |
| Stabil. (hrs)   | 99                   | 99            |                                |               |
| Lot Number  | ...                  | ...           |                                |               |
| Bottles type  | 1                    | -             |                                |               |
| ID First  | ...                  | ...           |                                |               |
| ID Second   | ...                  | ...           |                                |               |
| (...) Values entered by the operator<br>(*) Enter the value of the calibrator |                      |               |                                |               |