

# PRODUCT BULLETIN

Type: Field Service

Bulletin Number SB 2021003

## Subject: Temporarily volume change for Elon ISO and Oxy ISO

Date: March 2021

From: Support department

Number of pages: 2

Phone: +31 229 291 129

### Instruments:

All Lorrca instruments.

### Modification:

Temporarily Elon ISO QRR030901 and Oxy ISO QRR030905 are delivered in 2.5 ml vials instead of 5 ml vials. For this reason the standard operational procedures for preparing a sample are changed.

### Reason:

Due to the Covid19 pandemic, we are facing a worldwide shortage and related price increase of plastic laboratory supplies. Elon ISO and Oxy ISO are affected by this shortage. To continue operation with the Lorrca instruments we will deliver these two reagents temporarily in alternative/smaller vials without price change.

### Impact on

**Quality / validity of results:** No

**Reliability of the instrument:** No

**Safety of the instrument:** No

### Effective from:

Elon ISO batch nr. 2201870B and Oxy ISO batch 2202644B

### Compatibility:

N/A

### Is field modification possible?

N/A

### Order information:

Ordering numbers are unchanged

Elon ISO QRR030901

Oxy ISO QRR030905

**Notes on stock and obsolescence:**

N/A

**Additional information:**

*Changed Standard operation procedure*

The vial volume is half that of the previous 5 ml vial. Therefore, half the blood volume is required.

2.5 ml is sufficient for an Osmoscan if the run is started (as by default) after 30 seconds.

Measure RBC level on a Cell Counter.

**RBC necessary per test/scan (with 2.5 ml vials)**

For a **Deformability** test  $100 * 10^6$  RBC are needed.  
In  $\mu\text{l}$  whole blood this is 50/cell-count (without the  $10^6/\mu\text{l}$  or  $10^{12}/\text{l}$ )

For an **Osmoscan**  $1000 * 10^6$  RBC are needed.  
In  $\mu\text{l}$  whole blood this is 500/cell-(without the  $10^6/\mu\text{l}$  or  $10^{12}/\text{l}$ )

For an **Oxygenscan**  $200 * 10^6$  RBC are needed.  
In  $\mu\text{l}$  whole blood this is 100/cell-count (without the  $10^6/\mu\text{l}$  or  $10^{12}/\text{l}$ )

Gently mix the blood by inverting the tube 30-40 times (don't shake) until it colors homogeneous red.