

Letter of Confirmation

Tightness against ingress of CO₂

Products: SBS 96 GEN3: SX300 GEN3, MX500 GEN3, LX1000 GEN3
SBS 48 GEN3: XLX2000 GEN3

Article No.: 4C1-X03-xx-xx-x-x; 4C-X03-xx-xx-x-x;
4C1-X05-xx-xx-x-x; 4C-X05-xx-xx-x-x;
4C1-X10-xx-xx-x-x; 4C-X10-xx-xx-x-x;
4C1-X20A-xx-xx-x-x; 4C-X20A-xx-xx-x-x;

These products past the test related to the tightness of cryotubes against the ingress of carbon dioxide under the conditions of sample transport on dry ice.

The test is performed as a defined incubation of the sealed cryotubes on dry ice for an incubation period of 24 hours to simulate typical transport scenarios.

the frozen samples are incubated pressure-free on dry ice at approx. -78 °C. A saturated CO₂ atmosphere is formed by the subliming dry ice. The detection of the carbon dioxide absorbed by the buffer is done by determination of the pH value of the buffer. From the measured pH value, the absorbed CO₂ concentration is quantitatively determined. Cryotubes that absorb less than 1 µg/ml of CO₂ are defined as tight.

All tested 2D SAFE® Tubes (cryo vials) passed the test without any leakage.

Disclaimer:

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Please note that this confirmation expires after 12 months or in case of regulatory changes.

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