CERTIFICATE OF ANALYSIS

Microsphere Working Solution

P/N	Lot number	Expiration date	Instruments
03724F	03724F-159	06/07/2018	IBC, IBCm
Recommended Intensity Value (ave Intensity)			1.00 ± 0.1
Reference Value (kIBC)			1329 ± 10% (1196 – 1462)
Date of issue of certificate:	*Apr 06 2018*		*Pierre Broutin* *Bentley Instruments*

Instructions for use

Alignment & Intensity:

1. Analyze the Microsphere Working Solution (5 repeats) using the instruments microsphere setting.
2. Check the "Intensity Histogram" for signal intensity and proper alignment: the average intensity peak must present a **symmetrical bell-shaped curve** and be **centered around the Recommended Intensity Value**.
3. If the intensity peak is not symmetrical, use the instrument scope and/or alignment function to align the flow cell.
4. If the intensity peak is off center, go to the instrument calibration setting and adjust the PCB/PMT gain factors accordingly.
5. Repeat procedure steps 1-4 until the instrument is properly aligned and exhibits the recommended intensity.

Performance:

1. After the instrument has been properly adjusted for alignment and intensity, check that the IBC count is as expected: **results must be within ± 10% of the referenced value** for the lot.
2. If the IBC count is not within the accepted range, proceed with general instrument trouble shooting.

Storage:

When not in use, the Microsphere Working Solution must be stored at 2-8°C and be protected from light and freezing.

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