



# CERTIFICATE OF ANALYSIS

## Microsphere Working Solution

| P/N  | Lot number | Expiration date | Instruments                           |
|--|------------|-----------------|---------------------------------------|
| 03724F   | 03724F-152 | 02/06/2018      | IBC, IBCm                             |
| <b>Recommended Intensity Value (ave Intensity)</b> |            |                 | 1.00 ± 0.1                            |
| <b>Reference Value (kIBC)</b>                      |            |                 | 1213 ± 10%<br>( 1092 – 1334 )         |
| Date of issue of certificate:                      |            | Mar 02 2018     | Pierre Broutin<br>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.