

|                          |   |                                      |
|--------------------------|---|--------------------------------------|
| <b>Subject:</b>          | Discontinuation of FluidX 96-format, 0.9ml External Thread, 2D-coded tube |                                      |
| <b>Date:</b> 07 May 2019 | <b>Reference Number:</b> 1905   | <b>Effective From:</b> 07 /MAY/ 2019 |
| <b>Amendments:</b>       |   |                                      |

We are writing to inform you that as part of our aim for continuous improvement, the FluidX 96-format, 0.9ml External Thread, 2D-coded tubes (see below for part numbers) will be discontinued on 7<sup>th</sup> May 2019 and production will end on 30<sup>th</sup> November 2019. Last orders for these products will need to be received no later than 30<sup>th</sup> September 2019.

Our Next Generation tubes, FluidX 96-format, 0.9ml External Thread Next-Gen Dual-coded tubes (see below for part numbers) were launched in December 2018. If you would like to receive a sample, please follow the request a sample link below;

<https://www.brookslifesciences.com/products/fluidx-96-format-09ml-external-thread-next-gen-dual-coded-tube>

### Affected Products

| Item Number | Description   |
|-------------|---|
| 68-1000-00  | FluidX 96-format, 0.9ml External Thread, 2D-coded Tube, 2D Code on base, uncapped, bulk, 960 tubes per case   |
| 68-1000-01  | FluidX 96-format, 0.9ml External Thread, 2D-coded Tube, 2D Code on base, uncapped, 10 racks per case HighBase Rack<br>Empty Rack part number: 66-61002                |
| 68-1000-02  | FluidX 96-format, 0.9ml External Thread, 2D-coded Tube, 2D Code on base, uncapped, 10 racks per case HighBase Rack, with TubeLock<br>Empty Rack part number: 66-51016 |
| 68-1000-10  | FluidX 96-format, 0.9ml External Thread, 2D-coded Tube, 2D Code on base, capped, bulk, 960 tubes per case   |
| 68-1000-10N | FluidX 96-format, 0.9ml External Thread, 2D-coded Tube, 2D Code on base, capped, bulk, 960 tubes per case   |
| 68-1000-11  | FluidX 96-format, 0.9ml External Thread, 2D-coded Tube, 2D Code on base, capped, 10 racks per case HighBase Rack<br>Empty Rack part number: 66-61002                  |
| 68-1000-11N | FluidX 96-format, 0.9ml External Thread, 2D-coded Tube, 2D Code on base, capped, 10 racks per case HighBase Rack<br>Empty Rack part number: 66-61002                  |
| 68-1000-12N | FluidX 96-format, 0.9ml External Thread, 2D-coded Tube, 2D Code on base, capped, 10 racks per case HighBase Rack, with TubeLock<br>Empty Rack part number: 66-51016   |

Please note this affects all custom products which contain any of these base part numbers. For example, SP-2092, 68-0700-11N-GS

|                          |   |                                      |
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## 1. Reason for change

It is becoming more difficult to maintain quality and productivity levels of this tube due to ageing manufacturing equipment used to laser etch 2D codes on the base of the tubes. Our Next Generation tubes were successfully development and launched in December 2018.

## 2. Replacement Products

| Current Item Number       | Suggested Alternative | Description  |
|---------------------------|-----------------------|--|
| 68-1000-00                | 68-1001-00            | FluidX 96-format, 0.9ml External Thread, Next-Gen Dual-coded Tube, 2D Code and Human Readable Number on base, uncapped, bulk, 960 tubes per case   |
| 68-1000-01                | 68-1001-01            | FluidX 96-format, 0.9ml External Thread, Next-Gen Dual-coded Tube, 2D Code and Human Readable Number on base, uncapped, 10 racks per case HighBase Rack<br>Empty Rack part number: 66-61002                |
| 68-1000-02                | 68-1001-02            | FluidX 96-format, 0.9ml External Thread, Next-Gen Dual-coded Tube, 2D Code and Human Readable Number on base, uncapped, 10 racks per case HighBase Rack, with TubeLock<br>Empty Rack part number: 66-51016 |
| 68-1000-10<br>68-1000-10N | 68-1001-10            | FluidX 96-format, 0.9ml External Thread, Next-Gen Dual-coded Tube, 2D Code and Human Readable Number on base, capped, bulk, 960 tubes per case   |
| 68-1000-11<br>68-1000-11N | 68-1001-11            | FluidX 96-format, 0.9ml External Thread, Next-Gen Dual-coded Tube, 2D Code and Human Readable Number on base, capped, 10 racks per case HighBase Rack<br>Empty Rack part number: 66-61002                  |
| 68-1000-12N               | 68-1001-12            | FluidX 96-format, 0.9ml External Thread, Next-Gen Dual-coded Tube, 2D Code and Human Readable Number on base, capped, 10 racks per case HighBase Rack, with TubeLock<br>Empty Rack part number: 66-51016   |

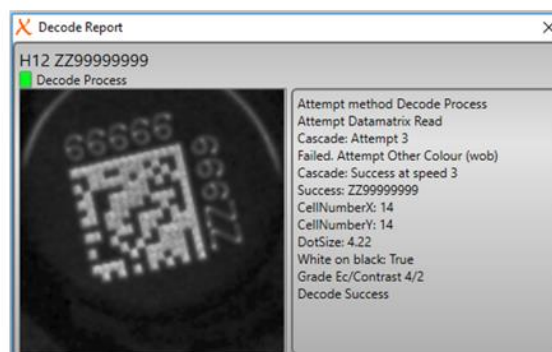
|                          |   |                                      |
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### 3. Benefits of change

- The Next-Generation Dual-coded tube is manufactured using an advanced manufacturing technique used to integrate 2 resin colors into the same tube for high resolution coding.
- Next Generation Manufacturing process results in one-piece tube removing the need for additional assembly
- Each tube features a permanent 2D code and Human Readable Number laser etched in high-contrast on the tube base
- Our Next Generation Dual-coded tubes have a White on Black code
- Smooth tube silhouette allows for the application of additional labels if required





We now have a White on Black code on our FluidX 96 Format, Next-Gen Dual-coded Tubes



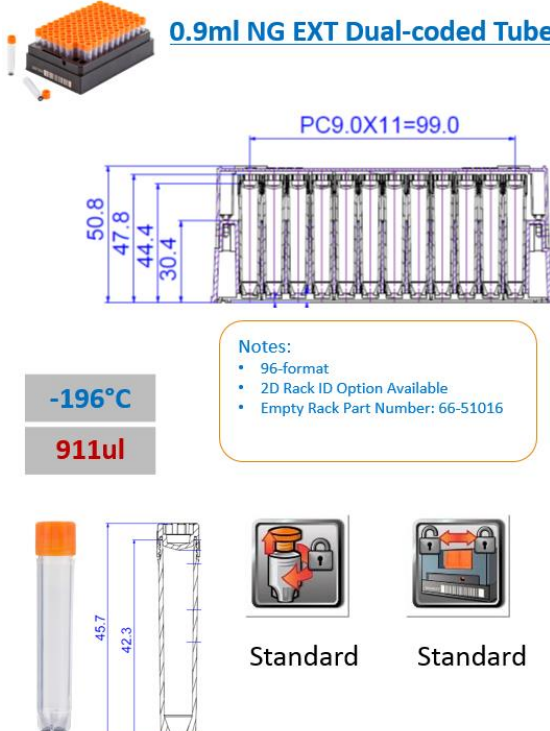
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#### 4. Specifications of replacement products

|  |  |  |
|--|---|---|
|  | FluidX 96-format 0.9ml External Thread, Next Gen Dual-coded                       | FluidX 96-format 0.9ml External Thread, 2D-coded                                    |
| Max Working Volume (ml) screw cap              | 0.9   | 0.9   |
| Max Working Volume (µl) screw cap              | 911   | 900   |
| Max Working Volume (µl) septum cap             | 887   | 875   |
| Tube Height (mm)                               | 42.3  | 42.9  |
| Tube Height with Cap (mm)                      | 45.7  | 46.3  |
| Tube Height with septum cap (mm)               | 43.5  | 44.1  |
| Internal height to the bottom of the tube (mm) | 41.1  | 40.9  |
| Inner Diameter (mm)                            | 6.5   | 6.5   |
| Outer Diameter with Cap (mm)                   | 8.7   | 8.7   |
| Center to Center (mm)                          | 9   | 9   |
| Min Temperature °C screw cap                   | -196  | -196  |
| Min Temperature °C septum cap                  | -80   | -80   |
| 2D Coded                                       | Base  | Base  |
| Human Readable Number                          | Base  | -   |
| Linear Barcode                                 | -   | -   |
| Bulk, uncapped                                 | 68-1001-00  | 68-1000-00  |
| Bulk, pre-capped                               | 68-1001-10  | 68-1000-10  |
| Pre-racked, uncapped                           | 68-1001-01  | 68-1000-01  |
| Pre-racked, pre-capped                         | 68-1001-11  | 68-1000-11  |

|                          |   |                                      |
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**0.9ml NG EXT Dual-coded Tube**



PC9.0X11=99.0

50.8  
47.8  
44.4  
30.4

**-196°C**

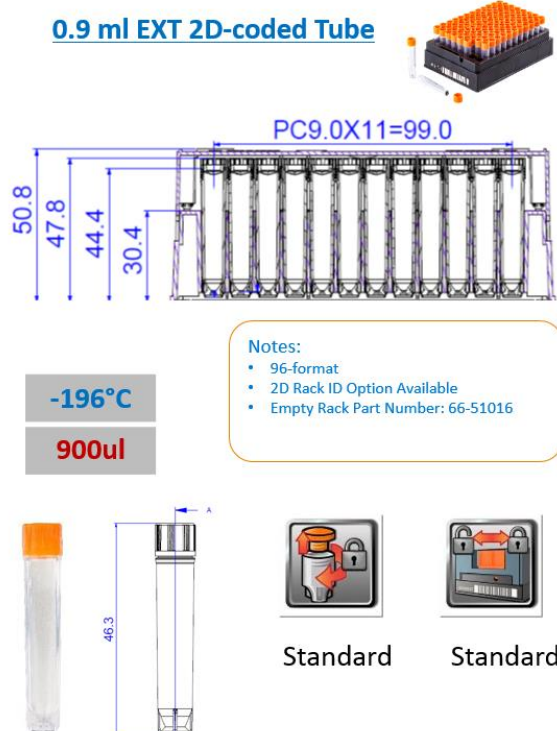
**911ul**

Notes:

- 96-format
- 2D Rack ID Option Available
- Empty Rack Part Number: 66-51016

Standard Standard

**0.9 ml EXT 2D-coded Tube**



PC9.0X11=99.0

50.8  
47.8  
44.4  
30.4

**-196°C**

**900ul**

Notes:

- 96-format
- 2D Rack ID Option Available
- Empty Rack Part Number: 66-51016

Standard Standard

## 5. Differences resulting from the change

- There are some differences in tube dimensions created by this change, tube height, internal tube dimensions differ slightly, resulting in higher working volumes  
Differences are highlighted in blue in the table above
- The change has no adverse effect on the properties and function of the tube
- There are no major differences in compatibility with automated instruments, such as the IntelliXcap \*1, XSD \*1, Perception HD, Impression or Scope

## 6. Date of change

Effective from 7<sup>th</sup> May 2019.  
Last orders to be received by 30<sup>th</sup> September 2019.  
Production will end on 30<sup>th</sup> November 2019.

If you require further information please feel free to contact your local rep, distributor or email the office on [blss.sales@brooks.com](mailto:blss.sales@brooks.com)

### Notes:

\*1 Usage of a decapper with a mixed population rack may require potential optimization to the profile setup, so please test before use and contact Tech Support if you require further information