



## Certificate of Analysis

PRODUCT: **QuantumDye v3.1**  
LOT NUMBER: **M231215U**  
MANUFACTURE DATE: **2023-12-13**  
EXPIRATION DATE: **Dec 30, 2025**  
QC TEST DATE: **2023-12-15**  
REPORT DATE: **2023-12-18**

### QUALITY CONTROL

#### FUNCTIONAL TESTING:

#### DNA SEQUENCING TEST ON GENETIC ANALYZER 3730XL

- NO BACKGROUND THAT WILL AFFECT BASECALLING
- NO FLUCTUATION IN BASELINE
- KB BASE CALLING ACCURACY IS > 98% FOR 650 CONTIGUOUS BASES USING pGEM AND M13F CONTROLS
- COMPARISON TO BIGDYE™ TERMINATOR V3.1:
  - READ LENGTH \* SAMPLE\_SCORE FROM QUANTUMDYE V3.1 IS AT LEAST 95% OF BIGDYE IN ≥95% OF 24 SEQUENCING SAMPLES
  - SEQUENCING REACTION FROM EACH SAMPLE IS PERFORMED IN DUPLICATE WITH BOTH QUANTUMDYE AND BIGDYE

RESULT OF ALL TESTS: **PASS**

QUALITY AUTHORIZED BY QC:

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