

**PRODUCT CHANGE NOTIFICATION**

Reference: CR-59

November 29, 2022

Dear Valued Customer,

This letter serves as formal notification of changes that affect products that may be purchased by your organization.

**Change Description**

Part Number(s) Affected:	160-204-101 QBSF-60 Stem Cell Medium (Serum Free)
Description of Change:	Remove osmolality specification range; test and report per manufactured lot
Reason for Change:	Due to supply chain shortages, alternate suppliers have been qualified for some raw materials and there is a slight impact on the osmolality of the solution. No significant change to product performance (cell growth) noted.

**Implementation and Next Steps**

The certificate of analysis for lots manufactured from November 2022 forward will accurately reflect the specifications at time of testing.

We trust this documentation is acceptable for your files. Should you have any questions or concerns regarding this notification, please contact me at [curleyj@qualitybiological.com](mailto:curleyj@qualitybiological.com) or (301)-840-9331.

Sincerely,

**Jeanmarie Curley**  
Digitally signed by  
Jeanmarie Curley  
Date: 2022.11.29  
08:27:00 -05'00'

Vice President Quality Assurance