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## Certificate of Analysis

Product Name:

Phosphate buffered saline - 10x concentrate, BioPerformance Certified, suitable for cell culture

**Product Number:** P5493  
**Batch Number:** SLCF7315  
 Brand: SIGMA  
 MDL Number: MFCD00131855  
 Quality Release Date: 02 APR 2020  
 Recommended Retest Date: APR 2021

| Test                            | Specification | Result        |
|---------------------------------|---------------|---------------|
| Appearance (Turbidity)          | Clear         | Clear         |
| Appearance (Color)              | Colorless     | Colorless     |
| Appearance (Form)               | Solution      | Solution      |
| pH                              | 7.2 - 7.6     | 7.3           |
| at 25 degrees Celcius           |               |               |
| DNase, Exonuclease Detection    | None Detected | None Detected |
| NICKase, Endonuclease Detection | None Detected | None Detected |
| RNase Detection                 | None Detected | None Detected |
| Protease Detection              | None Detected | None Detected |
| Cell Culture Test               | Pass          | Pass          |
| Endotoxin Level                 | ≤ 1.0 EU/ml   | < 0.3 EU/ml   |
| Total Aerobic Microbial Count   | ≤ 16 CFU/ml   | 0 CFU/ml      |
| Heavy Metals (as Lead)          | < = 5 ppm     | < = 5 ppm     |



Brian Dulle, Supervisor  
 Quality Assurance  
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Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.