




Certificate of Analysis

	<h2 style="margin: 0;">Nucleus Biologics</h2>	Formerly 
<p>Vitronectin XF™</p>	<p>Primorigen Prod. No. 07180 Nucleus Biologics Lot No. 2222101 Nucleus Biologics Part Number: 10230 Lot No. 1000108146</p>	<p>Orders & Support 858-251-2010</p> <p style="text-align: center;">For Research Use Only Not intended for use in humans or animals</p>

<p>Description: Vitronectin XF™ offers a xeno-free single-component cell attachment factor intended to support growth and differentiation of human pluripotent stem cells (hPSCs) under serum-free, feeder-free conditions. Vitronectin XF™ is a recombinant protein that contains the entire human Vitronectin sequence (NCBI Reference Seq. NP_000629.3) fused to a human immobilization domain, and is to be used for coating of sterile, non-tissue culture treated polystyrene dishes and plates.</p> <p><i>Vial contents:</i> 2 ml, 500 µg protein at 250 µg/ml <i>Storage:</i> -80 °C <i>DOM:</i> 19 SEP 2022</p> <p>Quality Control: This lot of Vitronectin XF™ has been tested to meet quality specifications in accordance with testing guidelines. Vitronectin XF™ is non-toxic for cells</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: center;">Test</th> <th style="text-align: center;">Specification</th> <th style="text-align: center;">Result</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Sterility</td> <td style="text-align: center;">No growth at 14 days</td> <td style="text-align: center;">Pass</td> </tr> <tr> <td style="text-align: center;">Endotoxin</td> <td style="text-align: center;">≤ 3.50 EU/ml</td> <td style="text-align: center;">Pass</td> </tr> <tr> <td style="text-align: center;">Mycoplasma</td> <td style="text-align: center;">Negative</td> <td style="text-align: center;">Pass</td> </tr> <tr> <td style="text-align: center;">Purity</td> <td style="text-align: center;">≥ 85% by SDS-Page and Coomassie Blue Staining</td> <td style="text-align: center;">Pass</td> </tr> </tbody> </table> <p>Note: The reported Endotoxin result for this lot was ≤ 1.0 EU/ml.</p>	Test	Specification	Result	Sterility	No growth at 14 days	Pass	Endotoxin	≤ 3.50 EU/ml	Pass	Mycoplasma	Negative	Pass	Purity	≥ 85% by SDS-Page and Coomassie Blue Staining	Pass	<p>Certified By:</p> <div style="text-align: center; margin: 10px 0;">  <hr style="width: 80%; margin: 0 auto;"/> </div> <p>M. Usher, QS Manager</p>
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