


# Certificate of Analysis

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<b>CA1089</b>	<b>MesoTotal™ HPC/HSC Differentiation Medium</b>		
	<b>Prod. No. S2162</b> <span style="float: right;"><b>Lot No.</b></span>	Orders & Support: +1 608-441-8332 support@primorigen.com	Web: www.primorigen.com
<i>For Research Use Only Not intended for use in humans or animals</i>			

<p><b>Description:</b> Primorigen's MesoTotal™ Differentiation System combines a patent-pending medium formulation and novel protocol for robust differentiation of human pluripotent stem cells (hPSCs) into hematopoietic progenitor cells (CD45/43+, and CD34+) and hematopoietic stem cells (CD45/43+, CD34+, CD38- CD90+ CD45RA-, and CD49f+).</p> <p><b>Kit contents:</b></p> <ul style="list-style-type: none"> <li>• 2 x 40 ml MesoTotal™ medium, sterile</li> <li>• 10 cm<sup>2</sup> Suspension Cell Culture Dishes</li> </ul> <p><b>Storage:</b> -20 °C (Medium)</p> <p><b>Thawing:</b> It is recommended to thaw medium overnight at 2-8°C</p> <p><b>Stability:</b> Product is stable at -20°C until expiry date indicated on the label. Stable for 2 weeks if stored at 2-8°C</p> <p><b>Country of Manufacture:</b> USA</p> <p>For additional information and for general use guidelines for this product, please refer to the MesoTotal™ Hematopoietic Differentiation User Protocol (L1020), available at <a href="http://www.primorigen.com/mesototal">www.primorigen.com/mesototal</a></p> <p><b>Quality Control:</b> This lot of MesoTotal™ HPC/HSC Differentiation Medium has been verified to meet quality specifications in accordance with testing guidelines.</p> <ul style="list-style-type: none"> <li>• <b>Sterility:</b> 0.2 micron sterile filtered</li> <li>• <b>Endotoxin:</b> &lt;1.25 EU/ml</li> <li>• <b>Differentiation to HPC:</b> Pass</li> </ul>	<p><b>Certified By:</b></p> <p style="text-align: center;"><i>Michelle Sneed</i></p> <p><b>Warranty:</b> Primorigen Biosciences warrants that the product will meet or exceed specifications when used as directed within the guidelines of the User Protocol. We will replace the product if the product does not conform to specifications. Our obligation and your sole remedy are limited to such replacement in the event that the product proves to be defective. Primorigen Biosciences is not liable for consequential damages.</p> <p><b>Limited Use Label License:</b> Use of this product is covered by one or more patent applications. The purchase of this product includes a limited, non-transferable license for using only this amount of product for the purchaser's own internal research. This product is for research use only and may not be resold without written permission from Primorigen Biosciences.</p>
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