

CATALOG #	PRODUCT DESCRIPTION, STORAGE, AND USE
<b>3450-048-05</b>	<p><b>CellSperse™</b> - 1 vial (15 mL)</p> <ul style="list-style-type: none"> <li>• Store at ≤ -20 °C.</li> <li>• CellSperse is a solution containing a neutral metalloprotease from <i>Bacillus polymyxa</i>. It promotes digestion of Cultrex™ BME and provides gentle cell dissociation required for the quantification of angiogenesis using the Directed <i>In Vivo</i> Angiogenesis Assay.</li> <li>• CellSperse is a component of the Directed <i>In Vivo</i> Angiogenesis Assays (R&amp;D Systems®, Catalog # 3450-048-SK, 3450-048-IK, and 3450-048-K).</li> </ul>
<b>3450-048-08</b>	<p><b>Heparin Solution</b> - 1 vial (10 µL, 2 mg/mL)</p> <ul style="list-style-type: none"> <li>• Store at 2-8 °C.</li> <li>• Heparin Solution is a well-characterized sulfated glycosaminoglycan that is used as a growth factor stabilizer. Heparin binds a multitude of growth factors and maintains their bioactivity for an extended period of time.</li> <li>• 1 µL of Heparin Solution is added to 10 µL of growth factor.</li> <li>• Heparin Solution is a component of the Directed <i>In Vivo</i> Angiogenesis Assays (R&amp;D Systems, Catalog # 3450-048-SK, 3450-048-IK, and 3450-048-K).</li> </ul>
<b>3450-048-09</b>	<p><b>AngioRack™</b> - 1 rack</p> <ul style="list-style-type: none"> <li>• Store at room temperature.</li> <li>• AngioRack is a specialized Teflon® holder designed to firmly hold 48 sterile Angioreactors in the laminar flow hood while filling and preparing for implantation in association with the Directed <i>In Vivo</i> Angiogenesis Assays.</li> <li>• Angiorack is a component of the Directed <i>In Vivo</i> Angiogenesis Assays (R&amp;D Systems, Catalog #3450-048-SK, 3450-048-IK, and 3450-048-K).</li> </ul>
<b>3450-048-B10</b>	<p><b>DIVAA™ FGF-2 (1.8 µg)/VEGF (600 ng) VEGF</b> - 1 vial (60 µL)</p> <ul style="list-style-type: none"> <li>• Store at ≤ -20 °C.</li> <li>• DIVAA FGF-2 (1.8 µg)/VEGF (600 ng) is provided as an angiogenesis inducing growth factor cocktail for the Directed <i>In Vivo</i> Angiogenesis Assay.</li> <li>• Provided at a concentration of 30 µg/mL FGF-2 and 10 µg/mL VEGF. This solution is diluted 20-fold when suspended in Cultrex™ BME, Reduced Growth Factor, for a final concentration of 1.5 µg/mL FGF-2 and 500 ng/mL VEGF. FGF-2/VEGF provides a stronger angiogenic response compared to the FGF-2 positive control for the Directed <i>In Vivo</i> Angiogenesis Assay.</li> <li>• DIVAA FGF-2 (1.8 µg)/VEGF (600 ng) is a component of the Directed <i>In Vivo</i> Angiogenesis Assays (R&amp;D Systems, Catalog # 3450-048-SK and 3450-048-IK).</li> </ul>

**CATALOG #      PRODUCT DESCRIPTION, STORAGE, AND USE****3450-048-B9      DIVAA™ FGF-2 (300 ng)/VEGF (100 ng) - 1 vial (10 µL)**

- Store at ≤ -20 °C.
- DIVAA FGF-2 (300 ng)/VEGF (100 ng) is provided as an angiogenesis inducing growth factor cocktail for the Directed *In Vivo* Angiogenesis Assay.
- Provided at a concentration of 30 µg/mL FGF-2 and 10 µg/mL VEGF. This solution is diluted 20-fold when suspended in Cultrex™ BME, Reduced Growth Factor, for a final concentration of 1.5 µg/mL FGF-2 and 500 ng/mL VEGF. FGF-2/VEGF provides a stronger angiogenic response compared to the FGF-2 Positive Control for the Directed *In Vivo* Angiogenesis Assay.
- DIVAA FGF-2 (300 ng)/VEGF (100 ng) is a component of the Directed *In Vivo* Angiogenesis Assay (R&D Systems®, Catalog # 3450-048-K).

**3450-048-DA      DIVAA Angioreactor with Cultrex™ BME****Angioreactors - 48 units**

- Store at Room Temperature.
- Angioreactors are one centimeter long cylinders that is sealed on one end and houses 20 µL total volume. They are made of implant-grade silicone and provided sterile. The sleek design of the angioreactor provides a standardized platform for reproducible and quantifiable *in vivo* angiogenesis assays.
- Angioreactors are a component of the Directed *In Vivo* Angiogenesis Assays (R&D Systems, Catalog # 3450-048-SK, 3450-048-IK, and 3450-048-K).

**Cultrex BME, Reduced Growth Factor - 6 vials (200 µL/vial)**

- Store at ≤ -20 °C.
- Angioreactors are filled with Cultrex BME, Reduced Growth Factor, premixed with or without angiogenic-modulating factors and implanted subcutaneously in the dorsal flank of nude mice. Through the process of angiogenesis, host vascular endothelial cells proceed to invade and grow into the BME, forming vessels in the angioreactor.
- Cultrex BME, Reduced Growth Factor is a component of the Directed *In Vivo* Angiogenesis Assays (R&D Systems, Catalog # 3450-048-SK, 3450-048-IK, and 3450-048-K).

**3450-048-FL      200X FITC Lectin & Diluent****200X FITC-Lectin - 1 vial (250 µg/50 µL)**

- Store at ≤ -20 °C.
- Fluorescence labeled *Griffonia Simplicifolia* Lectin I binds to alpha-D-galactosyl and N-acetyl galactosaminyl groups on the surface of endothelial cells.
- Dilute 50 µL of 200X FITC-Lectin in 10 mL of 1X FITC-Lectin Diluent.
- 200X FITC-Lectin is a component of the Directed *In Vivo* Angiogenesis Assays (R&D Systems, Catalog # 3450-048-SK, 3450-048-IK, and 3450-048-K).

**25X FITC-Lectin Diluent - 1 vial (400 µL)**

- Optimal buffer for diluting FITC-Lectin
- Dilute 400 µL of 25X FITC-Lectin Diluent in 9.6 mL of sterile, distilled water, to generate 1X FITC-Lectin Diluent.
- 25X FITC-Lectin Diluent is a component of the Directed *In Vivo* Angiogenesis Assays (R&D Systems, Catalog #3450-048-SK, 3450-048-IK, and 3450-048-K).