

## 15 µm MICROSPHERES FOR BLOOD FLOW STUDIES

BioPAL's **STERIspheres**<sup>TM</sup> are nonradioactive and provide a superior alternative to the use of radioactive and optical microspheres for measuring regional organ blood flow and particle deposition. This product line offers several advantages, including **STERIspheres** are formulated with reduced Tween® 80 and are autoclaved. **STERIspheres**' high sensitivity makes them particularly useful for both general applications and in measuring low flow states or low flow organs, such as the skin and skeletal muscle. Ten marker labels are available with additional labels upon request. **STERIspheres** are packaged at a concentration of 2.5 million per ml (15 µm spheres). The spheres are available in 10 ml and 20 ml vials, and are provided autoclaved. **STERIspheres** are covered by patent 6,328,700, plus foreign patents issued and pending.

### **STERIspheres - 10 ml Vials**

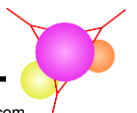
Each vial contains approximately 2.5 million spheres per ml (25 million per vial). The microspheres are 15 µm in diameter and are suspended in saline containing 0.01% Tween 80 and 0.01% Thimerosal. We recommend using **STERIspheres** in the following order: Gold, Samarium, Lutetium, Lanthanum, Ytterbium, Europium, Terbium, Holmium, Scandium, Antimony. Customers are encouraged to contact BioPAL for more information concerning label sensitivity and order of use.

#### Catalog

#### Number

C-15A10	Samarium <b>STERIspheres</b> .....	\$ 300.00
	15 µm in diameter, dyed banana and packaged in a 10 ml sealed serum bottle.	
C-15B10	Lanthanum <b>STERIspheres</b> .....	\$ 300.00
	15 µm in diameter, dyed blueberry and packaged in a 10 ml sealed serum bottle.	
C-15C10	Antimony <b>STERIspheres</b> .....	\$ 300.00
	15 µm in diameter, dyed violet and packaged in a 10 ml sealed serum bottle.	
C-15D10	Ytterbium <b>STERIspheres</b> .....	\$ 300.00
	15 µm in diameter, dyed kiwi and packaged in a 10 ml sealed serum bottle.	
C-15E10	Lutetium <b>STERIspheres</b> .....	\$ 300.00
	15 µm in diameter, dyed plum and packaged in a 10 ml sealed serum bottle.	
C-15H10	Gold <b>STERIspheres</b> .....	\$ 300.00
	15 µm in diameter, dyed raspberry and packaged in a 10 ml sealed serum bottle.	
C-15J10	Scandium <b>STERIspheres</b> .....	\$ 300.00
	15 µm in diameter, dyed straw and packaged in a 10 ml sealed serum bottle.	
C-15K10	Europium <b>STERIspheres</b> .....	\$ 300.00
	15 µm in diameter, dyed orange and packaged in a 10 ml sealed serum bottle.	
C-15L10	Holmium <b>STERIspheres</b> .....	\$ 300.00
	15 µm in diameter, dyed peach and packaged in a 10 ml sealed serum bottle.	
C-15N10	Terbium <b>STERIspheres</b> .....	\$ 300.00
	15 µm in diameter, dyed lemon and packaged in a 10 ml sealed serum bottle.	

Support for the development of this product-line was provided in part by a grant from the NIH-SBIR Program (HL060403).



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### **STERIspheres - 20 ml Vials**

Each vial contains approximately 2.5 million spheres per ml (50 million per vial). The microspheres are 15 µm in diameter and are suspended in saline containing 0.01% Tween 80 and 0.01% Thimerosal. We recommend using **STERIspheres** in the following order: Gold, Samarium, Lutetium, Lanthanum, Ytterbium, Europium, Terbium, Holmium, Scandium, Antimony. Customers are encouraged to contact BioPAL for more information concerning label sensitivity and order of use.

#### Catalog

#### Number

C-15A20	Samarium <b>STERIspheres</b> .....	\$ 420.00
	15 µm in diameter, dyed banana and packaged in a 20 ml sealed serum bottle.	
C-15B20	Lanthanum <b>STERIspheres</b> .....	\$ 420.00
	15 µm in diameter, dyed blueberry and packaged in a 20 ml sealed serum bottle.	
C-15C20	Antimony <b>STERIspheres</b> .....	\$ 420.00
	15 µm in diameter, dyed violet and packaged in a 20 ml sealed serum bottle.	
C-15D20	Ytterbium <b>STERIspheres</b> .....	\$ 420.00
	15 µm in diameter, dyed kiwi and packaged in a 20 ml sealed serum bottle.	
C-15E20	Lutetium <b>STERIspheres</b> .....	\$ 420.00
	15 µm in diameter, dyed plum and packaged in a 20 ml sealed serum bottle.	
C-15H20	Gold <b>STERIspheres</b> .....	\$ 420.00
	15 µm in diameter, dyed raspberry and packaged in a 20 ml sealed serum bottle.	
C-15J20	Scandium <b>STERIspheres</b> .....	\$ 420.00
	15 µm in diameter, dyed straw and packaged in a 20 ml sealed serum bottle.	
C-15K20	Europium <b>STERIspheres</b> .....	\$ 420.00
	15 µm in diameter, dyed orange and packaged in a 20 ml sealed serum bottle.	
C-15L20	Holmium <b>STERIspheres</b> .....	\$ 420.00
	15 µm in diameter, dyed peach and packaged in a 20 ml sealed serum bottle.	
C-15N20	Terbium <b>STERIspheres</b> .....	\$ 420.00
	15 µm in diameter, dyed lemon and packaged in a 20 ml sealed serum bottle.	

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