

## 10 µm MICROSPHERES FOR BLOOD FLOW STUDIES

Although 15 µm microspheres are the standard size for blood flow measurements, several researchers prefer using 10 µm microspheres when evaluating epicardial and endocardial segments. Therefore, BioPAL offers a line of 10 µm **STERIspheres**<sup>TM</sup>. This product line is nonradioactive and provides a superior alternative to the use of radioactive and optical microspheres for measuring regional organ blood flow. This product line is formulated with reduced Tween® 80 and is provided autoclaved. Seven marker labels are available with additional labels upon request. **STERIspheres** are packaged at a concentration of 6 million per ml (10 µm spheres) and are packaged in 10 ml. **STERIspheres** are covered by patent 6,328,700, plus foreign patents issued and pending.

**NOTE:** Because there is the potential for lower microsphere trapping due to their smaller size, we would recommend that researchers increase the injected dose by 20%, as compared to the recommend dose for 15 µm microspheres.

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

Each 10 ml vial contains approximately 60 million spheres. The microspheres are 10 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. Customers are encouraged to contact BioPAL for more information concerning label sensitivity and order of use.

#### Catalog Number

C-10A10	Samarium <b>STERIspheres</b> .....	\$ 365.00
	10 µm in diameter, dyed blackberry and packaged in a 10 ml sealed serum bottle.	
C-10B10	Lanthanum <b>STERIspheres</b> .....	\$ 365.00
	10 µm in diameter, dyed blueberry and packaged in a 10 ml sealed serum bottle.	
C-10D10	Ytterbium <b>STERIspheres</b> .....	\$ 365.00
	10 µm in diameter, dyed kiwi and packaged in a 10 ml sealed serum bottle.	
C-10E10	Lutetium <b>STERIspheres</b> .....	\$ 365.00
	10 µm in diameter, dyed plum and packaged in a 10 ml sealed serum bottle.	
C-10H10	Gold <b>STERIspheres</b> .....	\$ 365.00
	10 µm in diameter, dyed raspberry and packaged in a 10 ml sealed serum bottle.	
C-10K10	Europium <b>STERIspheres</b> .....	\$ 365.00
	10 µm in diameter, dyed orange and packaged in a 10 ml sealed serum bottle.	
C-10N10	Terbium <b>STERIspheres</b> .....	\$ 365.00
	15 µm in diameter, dyed lemon and packaged in a 10 ml sealed serum bottle.	

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