

## **BKS db Mouse Brain Microvascular Endothelial Cells**

Catalog No. db-6023

### **Suggested Medium**

M1168 Complete Endothelial Cell Medium w/ Kit – 500 ml

### **Product Description**

BKS db Mouse Brain Microvascular Endothelial Cells are isolated from the brain of Mice homozygous for the diabetes spontaneous mutation (Lepr/db, 00642) manifest morbid obesity, chronic hyperglycemia, pancreatic beta cell atrophy and become hypoinsulinemic and grown in gelatin pre-coated tissue culture flasks with Cell Biologics' Complete Growth Medium. Cells at passage 3 are harvested from flasks and cryo-preserved in vials. Each vial contains  $0.5 \times 10^6$  cells per ml and is delivered frozen. BKS db Mouse Brain Microvascular Endothelial Cells are characterized by use of fluorescence-labeled acetylated low-density lipoprotein (Dil-Ac-LDL) uptake (Catalog No. L-35353, Invitrogen), a functional marker for endothelial cells. These cells are negative for bacteria, yeast, fungi, and mycoplasma and can be expanded for 3-5 passages at a split ratio of 1:2 under the cell culture conditions specified by Cell Biologics. Repeated freezing and thawing of cells are not recommended.

### **Cell Biologics' Cell Genotype Promise**

Cell Biologics has established rigorous genetic quality control and genotyping programs to ensure the normal and genetic background of our cell strains as well as our diseased cell strains with identified diseases (e.g., diabetic cells, hypertensive cells, smoke cells, etc.). Cell Biologics' cell strains are only made available to researchers after meeting our standards. Because it is not possible to fully characterize or capture each cell strain in the cell strain data sheets, we cannot guarantee each cell strain's phenotype will meet all expectations. To ensure that Cell Biologics' cells will meet the needs of individual research projects or when requesting a cell strain that is new to your research, we suggest ordering and performing tests on a small number of cells (1-2 vials) to determine suitability for your particular project.

### **Storage**

Cryopreserved cells are shipped with dry ice overnight. Upon arrival, transfer frozen cells to liquid nitrogen ( $-180^{\circ}\text{C}$ ) immediately until ready for use. Live cell shipment is also available on request. Primary cells can never be kept at  $-20^{\circ}\text{C}$  or  $-80^{\circ}\text{C}$  freezer.

### **Authorized Uses of Cell Biologics' Products**

BKS db Mouse Brain Microvascular Endothelial Cells from Cell Biologics are distributed for research purposes only. Our products are not authorized for human use, for in vitro diagnostic or therapeutic procedures. Transfer or resale of any Cell Biologics' cells or products from the purchaser to other markets, organizations or individuals is prohibited by Cell Biologics without the company's written consent. Cell Biologics' Terms and Conditions must be accepted before submitting an order.

### **Disclaimer**

Investigators should handle the cells with caution and treat all animal cells as potential pathogens, since no test procedure can completely guarantee the absence of infectious agents.

### **Warranty and Liability**

Cell Biologics' guarantee applies only to your purchase of Cell Biologics' Cells with Cell Biologics' Media and Coating Solution for appropriate cell culture and cell testing following Cell Biologics' online protocols within 35 days from the date of product delivery.