



**Urothelial Cell Growth Supplement  
(UCGS)**  
Catalog #4352

**Product Description**

Urothelial Cell Growth Supplement (UCGS) is a sterile, concentrated (100X) solution which contains growth factors, hormones, and proteins necessary for the culture of normal urothelial cells. The supplement is formulated (quantitatively and qualitatively) to provide an optimally balanced environment that selectively supports the growth of normal urothelial cells *in vitro*.

**Product Use**

UCGS is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

**Note:** Due to bovine pituitary extract (BPE) in the growth supplement, the color may vary with different lots and formation of lipoproteins can result in precipitates. This does not affect the biological activity.

**Storage**

Store UCGS at -20°C; once added to medium, store at 4°C and protect from light. Do not refreeze after thawing.

**Shipping**

Dry ice.

**Instructions for Use**

For best results, use UCGS in conjunction with Urothelial Cell Medium-b (UCM-b, Cat #4321-b).

Thaw UCGS at 37°C. Gently tilt the tube several times to ensure complete mixing. (**Note:** the presence of BPE in the growth supplement may result in lipoprotein precipitates; this does **not** affect the efficacy of the supplement). Spray the medium bottle and supplement tube with 70% ethanol and wipe to remove excess liquid. In a sterile field, remove the caps without touching the interior threads with fingers. Add UCGS to the medium and mix well. Since several components are light-labile, the medium should not be exposed to light for extended periods. We do not recommend warming medium in a 37°C water bath prior to use. When stored in the dark at 4°C, the reconstituted medium is stable for one month.

*Caution: If handled improperly, some components of the medium may present a health hazard. Take appropriate precautions when handling it, including the wearing of protective clothing and eyewear. Dispose of properly.*