

TEMPLE HEALTH

EMF-011 cell line from patient with inflammatory breast cancer

(FCCC Ref. 503-MC)

Cell lines EMF-011 and FC-IBC-02 (FCCC Tech ID# 310-MC) were isolated from same patient but from different pleural effusions three months apart. EMF-011 is less aggressive than FC- IBC-02. *In vitro*, EMF-011 grows slowly compared to FC-IBC02. *In vivo*, EMF-011 is less aggressive than FC-IBC02 when injected in severe combined immune-deficient (SCID) mice.

EMF-011 and FC-IBC02 are useful to study the progression of inflammatory breast cancer. Both cell lines grow *in vitro* and *in vivo*. When injected in the fat mammary pad of SCID mice, both produce brain metastases. Thus, EMF-011 and FC-IBC02 are excellent models to study brain metastases, and can be utilized to test inhibitory properties of different drugs, both *in vitro* and *in vivo*.