1067-46-518 **Michelle R Craddock*** (michelle.craddock@usma.edu), 646 Swift Road, Department of Mathematical Sciences, Thayer Hall 253, West Point, NY 10996. *Reflexivity and Grothendieck Space Property for Positive Tensor Products of Banach Lattices.*

Let X be a Banach lattice and let $1 < p, q < \infty$ such that $1/p + 1/q = 1$. Then $\ell_p \hat{\otimes}_F X$ (respectively, $\ell_p \tilde{\otimes}_i X$), the Fremlin projective (respectively, the Wittstock injective) tensor product of ℓ_p and X, has reflexivity or the Grothendieck space property if and only if X has the same property and each positive operator from ℓ_p (respectively, from ℓ_q) to X^* (respectively, to X^{**}) is compact. (Received September 08, 2010)