I will discuss a Smith-type inequality for regular covering spaces in monopole Floer homology. We use the definition of monopole Floer homology as the homology of the Seiberg-Witten-Floer spectrum. There is a notion of spectrum-L-space, which is conjecturally the same as an L-space. A corollary of the main theorem is that if an oriented 3-manifold $Y$ admits a $p^n$-sheeted regular cover that is a $Z/p$-spectrum-L-space (for $p$ prime), then $Y$ itself is a $Z/p$-spectrum-L-space. (Received September 08, 2012)