

**TABLE 2: Elastic Parameters of Microtubules, Literature Values**

group	method	$EI$ ( $10^{-24}\text{N m}^2$ )	$L_p$ (mm)
This paper	active	$6.1 \pm 1.3$	$1.4 \pm 0.3$
Felgner et al. <sup>14</sup>	active	$1.9 \pm 0.1$	$0.46 \pm 0.02$
Allersma <sup>60</sup>	active	$4.3 \pm 1.7$	$1.0 \pm 0.4$
Venier et al. <sup>12</sup>	thermal	$4.9 \pm 0.4$	$1.2 \pm 0.1$
Gittes et al. <sup>19</sup>	thermal	$22 \pm 1$	$5.2 \pm 0.2$
Mickey and Howard <sup>22</sup>	thermal	$26 \pm 2$	$6.3 \pm 0.5$
Dogterom and Yurke <sup>23</sup>	thermal	$34 \pm 7$	$8.3 \pm 1.7$
Brangwynne et al. <sup>59</sup>	thermal		1.5–2.8
Kikumoto et al. <sup>55</sup>	active	2.0(+paclitaxel) 7.9 (-paclitaxel)	
Janson and Dogterom <sup>24</sup>	thermal		$4.2 \pm 0.3$ fast growth $6.6 \pm 0.9$ slow growth
van den Heuvel et al. <sup>56</sup>	thermal		$0.24 \pm 0.03$ at ends