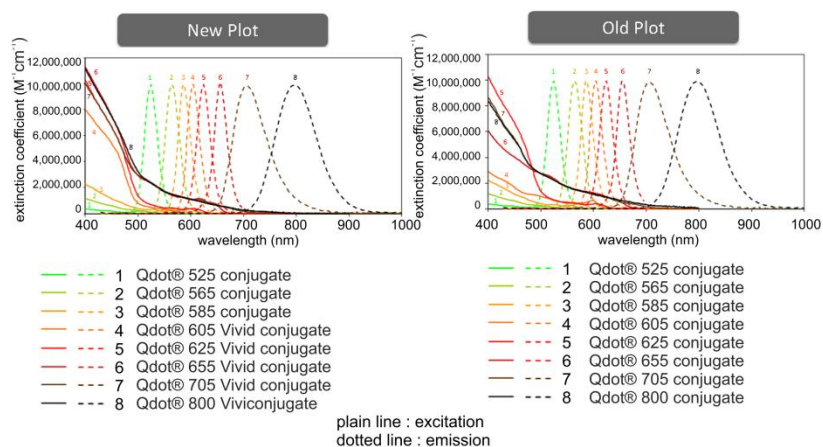


Product	350 nm	405 nm	488 nm	532 nm
Qdot® 525	710,000	360,000	130,000	N/A
Qdot® 565	1,900,000	1,100,000	290,000	140,000
Qdot 585	3,500,000	2,200,000	530,000	305,000
<b>Qdot® VIVID® 585</b>	<b>7,600,000</b>	<b>5,300,000</b>	<b>1,400,000</b>	<b>240,000</b>
Qdot 605	4,400,000	2,800,000	1,100,000	580,000
<b>Qdot® VIVID® 605</b>	<b>11,300,000</b>	<b>7,700,000</b>	<b>1,500,000</b>	<b>420,000</b>
Qdot 625	14,700,000	9,900,000	2,700,000	870,000
<b>Qdot® VIVID® 625</b>	<b>14,700,000</b>	<b>9,900,000</b>	<b>2,700,000</b>	<b>870,000</b>
Qdot 655	9,100,000	5,700,000	2,900,000	2,400,000
<b>Qdot® VIVID® 655</b>	<b>16,000,000</b>	<b>11,000,000</b>	<b>3,600,000</b>	<b>2,200,000</b>
Qdot 705	12,900,000	8,300,000	3,000,000	2,100,000
<b>Qdot® VIVID® 705</b>	<b>14,000,000</b>	<b>10,000,000</b>	<b>3,400,000</b>	<b>2,200,000</b>
Qdot 800	15,800,000	10,600,000	4,100,000	2,100,000
<b>Qdot® VIVID® 800</b>	<b>16,000,000</b>	<b>11,000,000</b>	<b>4,100,000</b>	<b>2,100,000</b>

A



B

## Information on Original and Vivid Qdots

**A:** Molar extinction coefficients ( $M^{-1}cm^{-1}$ ) of original & Vivid Qdot nanocrystal streptavidin conjugates at indicated wavelengths ((4) for the original Qdots and information provided by life technology technical services for Vivid Qdots).

**B :** excitation and emission spectra for original and Vivid Qdots. Note that the Vivid information is not currently available in the Molecular probe book or online ; and that Qdot 625 and 800 have similar values for original and Vivid confirming that those 2 Qdots were always of the Vivid type. The currently available manual on Qdot (revised Nov-2011) secondary antibody conjugates (5) protocol does not state 585 or 605 as Vivid. Reproduced with permission from LifeTechnology