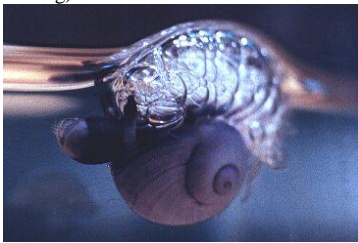


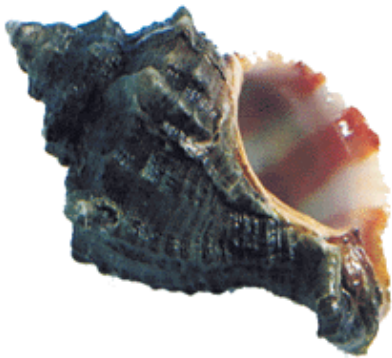
1. Common cuttlefish - *Sepia officinalis* (source of Radziner techeiles):



2. *Janthina* snail (possible source for techeiles according to Rav Herzog):



3. *Murex trunculus* shells (likely source according to Amutat P'til Tekhelet):



4. Hypobranchial gland in *Thais haemastoma*:



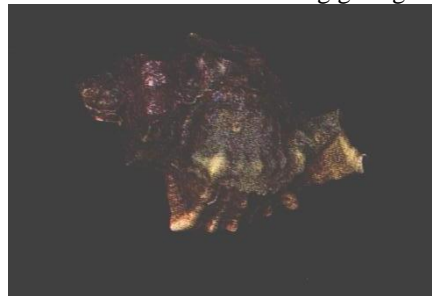
5. *Murex trunculus* spawning eggs:



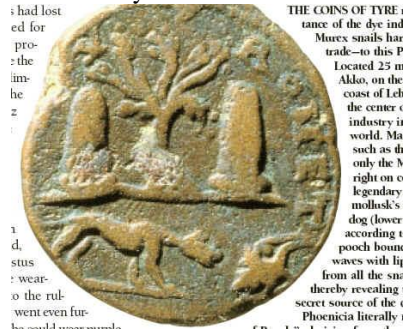
6. *Murex trunculus* seabed:



7. *Murex* with marine fouling giving blue hue:

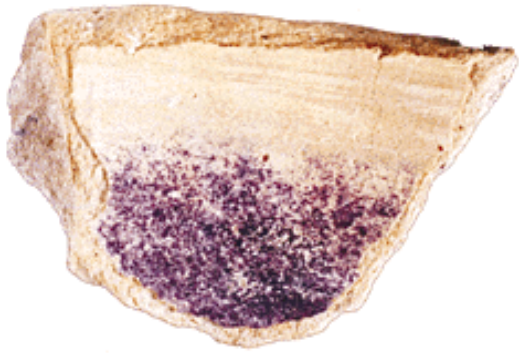


8. Coin of tyre -



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9. Shard from Tel Shikmona w/ purple murex dye:



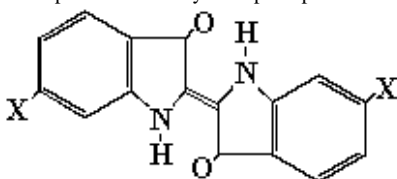
10. Murex Trunculus dye found in Masada by Prof. Zvi Koren - first known physical sample of tekhelet – Darker shade than one made by Ptil Tekhelet Foundation [b/c of different process of exposing to light?] but also from the Murex Trunculus snail – See NY Times Feb. 28, 2011 pg. A7:



11. Indigoid plant - for kala ilan (fake techeiles):



12. Indigo & dibromoindigo molecule (indigo molecule same for murex produced blue dye and plant produced indigo):



**X=Br, dibromoindigo**  
**X=H, indigo**

13. P'til Tekhelet factory in Kfar Adumim:



14. Methods of tying - 1) Radziner; 2) one understanding of the Rambam; 3) Vilna Gaon; 4) Chinuch; 5) Rav Natronai Gaon; 6) Rav Amram Gaon; 7) Rambam

(Note that number of blue strings is separate machlokes Rambam 1 string out of 8, Raavad 2 strings out of 8, Tosafos 4 strings out of 8 (all after folding))



(Pictures taken from [www.tekhelet.com](http://www.tekhelet.com), the Royal Purple and the Biblical Blue, and miscellaneous publicly available Internet sources)