

NO<sub>3</sub>  
COOL

طالع پر فرسین  
موسکلی هترو وک تلیک  
اس کے مترادف کنزائن  
Tetradentate  
عملی

Myoglobin	$\text{Fe}^{2+}$	ligand - (OH <sub>2</sub> )
Oxymyoglobin	$\text{Fe}^{2+}$	O <sub>2</sub>
metmyoglobin	$\text{Fe}^{3+}$	- OH
Nitrosylmyoglobin	$\text{Fe}^{2+}$	NO
Nitrosomyochrome	similar to nitrosylmyoglobin, globin denatured	
myochrome	similar to metmyoglobin, globin denatured.	

Bond	compound	colour	Name
$\text{Fe}^{++}$ Ferrous (covalent)	:H <sub>2</sub> O	purple	reduced myoglobin
	:O <sub>2</sub>	Red	Oxymyoglobin
	:NO	Cured pink	Nitric oxide Myoglobin
	:CO	Red	carboxymyoglobin
$\text{Fe}^{+++}$ Ferric ion	-CN	Red	Cyanmetmyoglobin
	* -OH	Brown	metmyoglobin
	* -SH	Green	Sulfmyoglobin
	-H <sub>2</sub> O <sub>2</sub>	Green	cholemyoglobin

Vacuum packages (polyvinyliden-chloride)  
Barrier to O<sub>2</sub>  
Retail film (polyvinyl chloride) permeable to O<sub>2</sub>

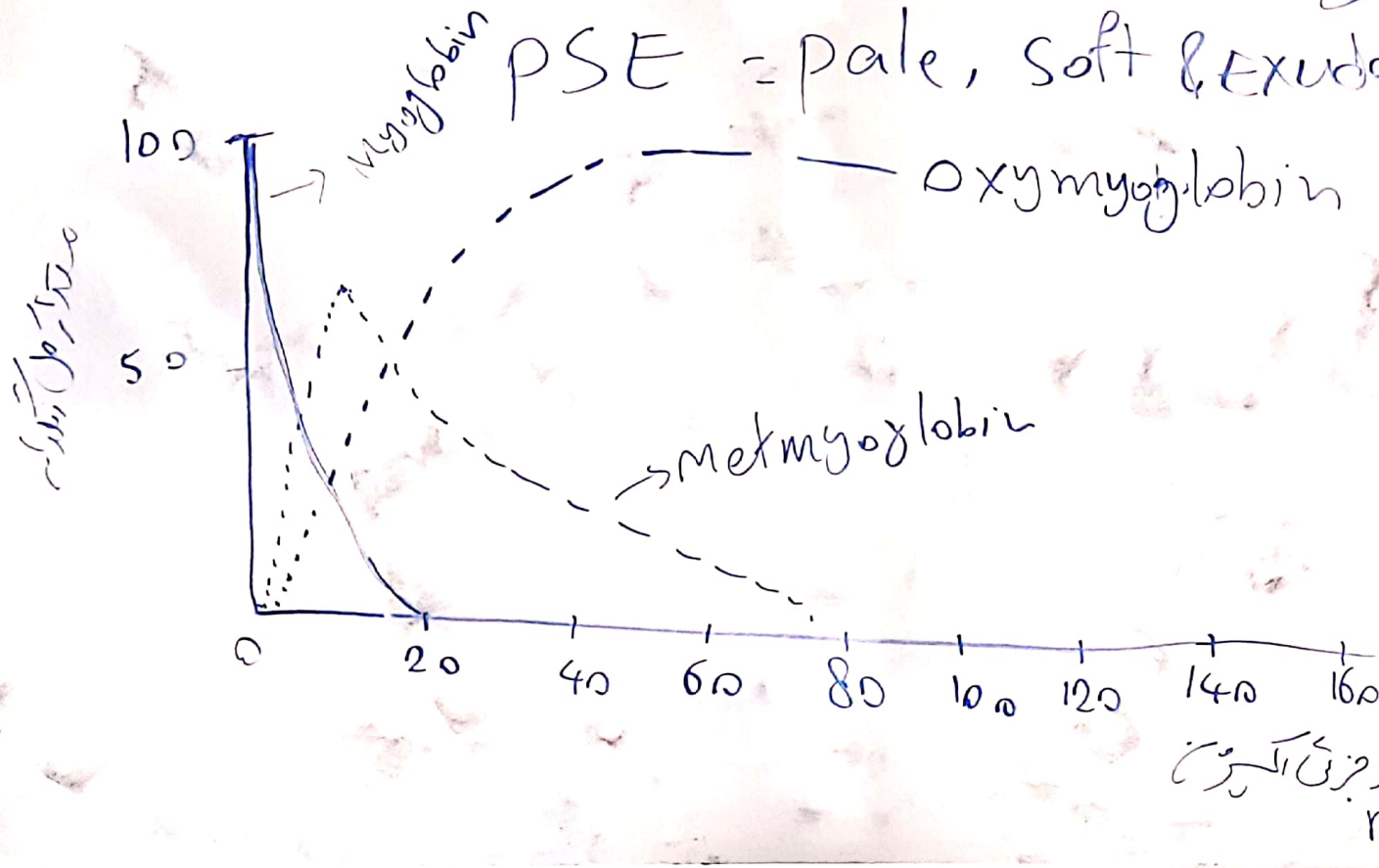
M  
M  
O

DFD = Dark, Firm & Dry

30-45'

PSE = pale, soft & exudative

Bloom



Reaction

Nitrosylmyoglobin  
light-red — pink

↓ Denatu.

Nitrosylmyochrome  
Pink, Stable

myoglobin  
purplish Red

Deoxygenation  
-O<sub>2</sub>

Oxygenation  
+ O<sub>2</sub>

Oxymyoglobin  
light Red

Oxi.  
Red.

metmyoglobin  
Brown

↓ Denaturation  
Myochrome

greyish Brown, Stable

Nitrosylmetmyoglobin  
Red

+ NO ↑ Red

