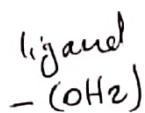
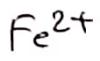


طفرة جزئی
مرکب حمروں
کاربوناتین
tetradentate/
معنی

Myoglobin



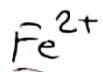
Oxy myoglobin



metmyoglobin



Nitrosyl myoglobin



similar to nitrosyl myoglobin, globin denatured

Nitrosomyochrome

myochrome

similar to metmyoglobin, globin denatured.

Bond	Compound	Colour	Name
Fe^{2+} Ferrous (covalent)	:H₂O	Purple	reduced myoglobin
	:O₂	Red	Oxymyoglobin
	:NO	Cured pink	Nitric Oxide Myoglobin
	:CO	Red	carboxy myoglobin
Fe^{3+} Ferric ion	-CN	Red	Cyan metmyoglobin
	* -OH	Brown	Metmyoglobin
	* -SH	Green	Sulfmyoglobin
	-H₂O₂	Green	Choleglobin

Vacuum packages (polyvinylidene-polyvinyl chloride)
Retail Film (polyvinyl chloride) permeable to O_2
Barrier to O_2

M
M
O

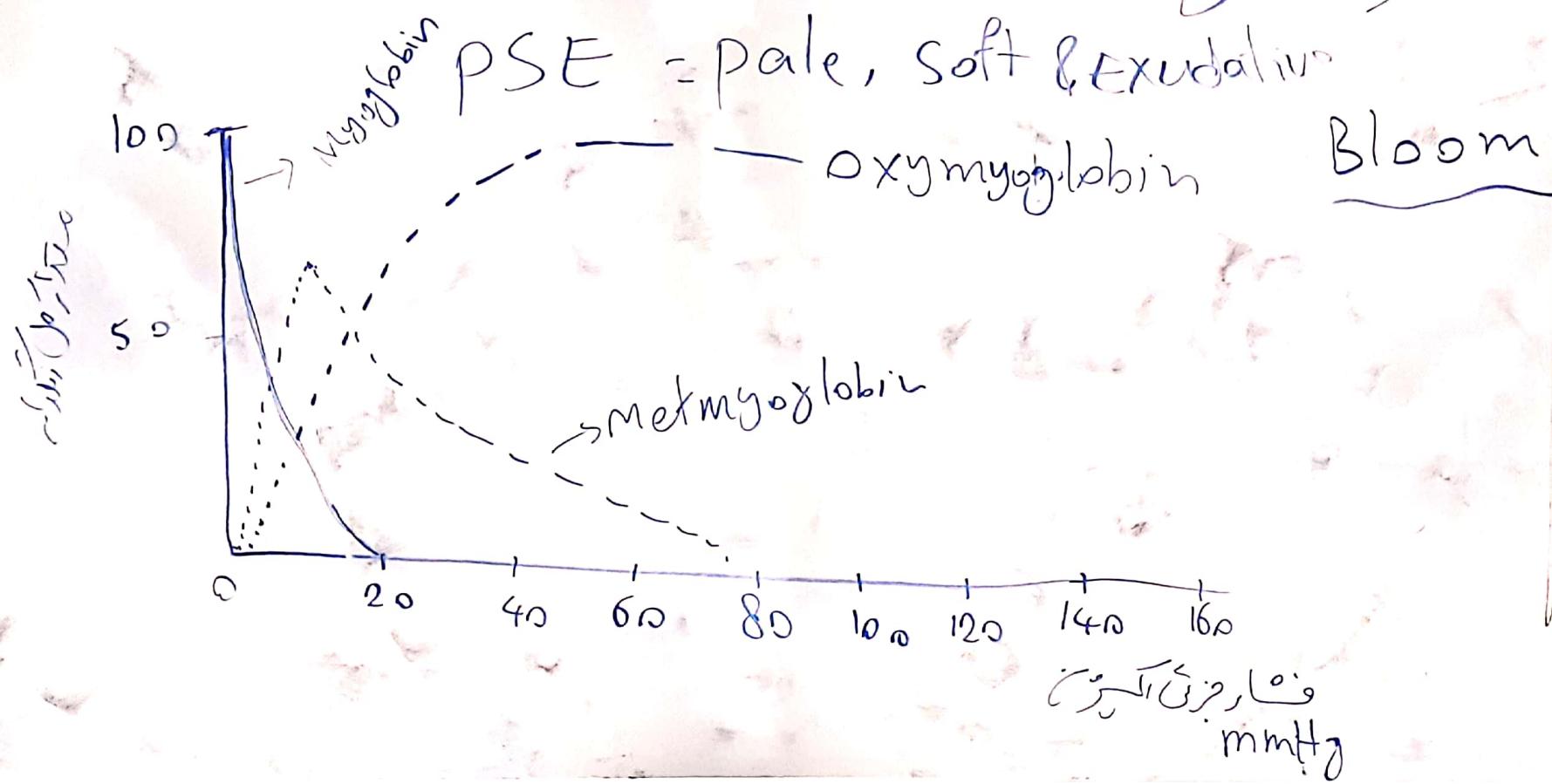
DFD = Dark, Firm & Dry

30-45'

PSE = Pale, Soft & Exudative

Oxymyoglobin

Bloom



Reaction

Nitrosylmyoglobin
Light-Red — pink

↓ Denatur.

myoglobin
purplish Red

DekoxytRNA_f
Oxige + O₂

• Oxymyoglobin

Pink, Stable

Light Red

$$\xrightarrow[\text{Red.}]{\text{Oxi.}} \text{metmyoglobin} \xrightarrow{-\text{Brown}-}$$

↓ Denaturation

Nyochrow =
greyish Brown, Stable

