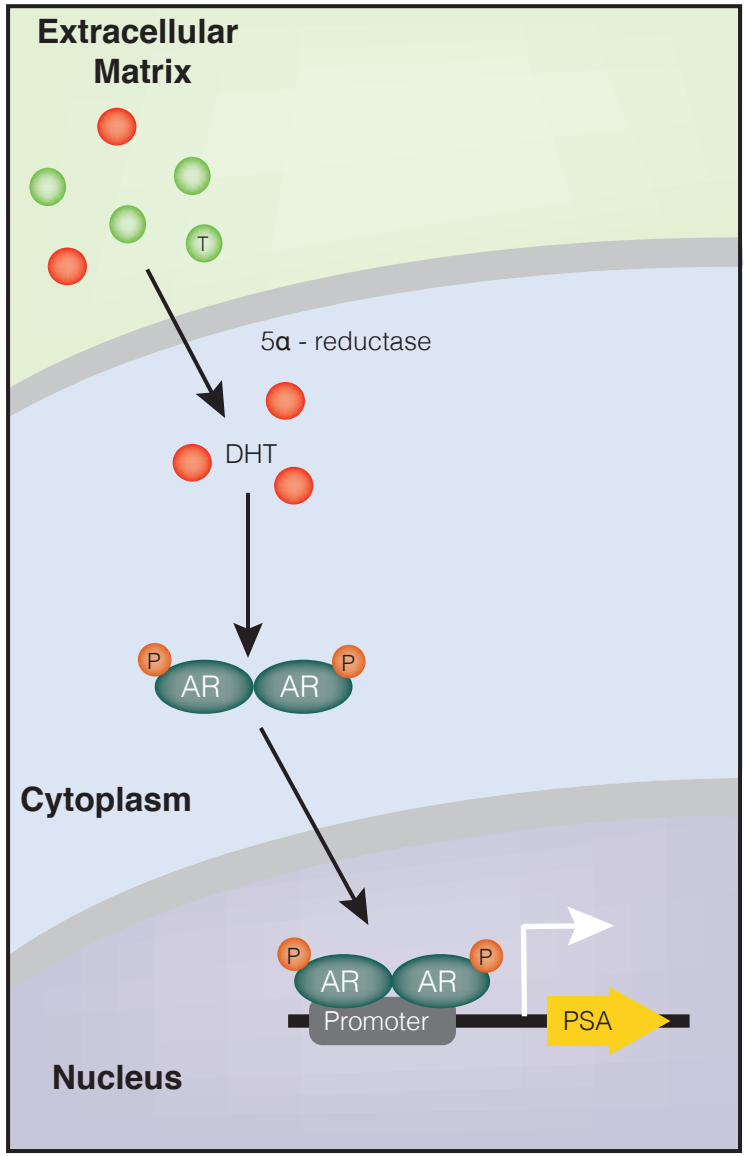
A.



B.

Stoichiometric Matrix

Rate Vector

$$\frac{d\underline{\mathbf{x}}}{dt} = \underline{\underline{\mathbf{S}}}\,\underline{\mathbf{r}}$$

C.