

+\*

( / ,w/v) / /  
G-  
pH pH  
( dA/min) / /  $V_{max}$   $K_m$   
G-200 :

**KEY WORDS:** Soybean peroxidase, Purification, Aqueous two-phase extraction, Gel filtration, Polyethylene glycol, Sephadex G-200.

[ ]

[ ]

[ ]

[ ]

coprinus

[ ]

(ATPS)

( )

[ ]

(HRP)

ATPS

[ ]

[ ]

pH

[ ]

(Sephadex G)

[ ]

cross-linked

[ ]

PEG)

[ ]

(

Sephadex G -200

[ ]

$C_b$   $C_t$

$$m = (C_t/C_b) \quad (m)$$

PEG

( / M NaH PO /Na HPO pH = )  
°C

[ ] x g

PEG

PEG

[ ]

°C

[ ]

G-200

( / × )  
ml/h

G-  
mM

[ ]

pH  
pH

Spectronic

( )

/ M cm

/ pH

[ ]

[ ]

SDS – PAGE

ATPS

NaCl

/ PEG

( )	(m)	(ml)	PEG (w/v)
/	/	/	/
/	/	/	/
/	/	/	/
/	/	/	/
/	/	/	/

(Prestained Protein Marker Biolabs)

[ ]

[ ]

/

$K_m$

$V_{max}$

[ ]

( )	( )	( )	( )	(U/mg)	(ml)		( )
/	/	/	/	/			
/	/	/	/	/			
/	/	/	/	/			

( / )

U/mg

[ ]

[ ]

coprinus

( / = )  
( )

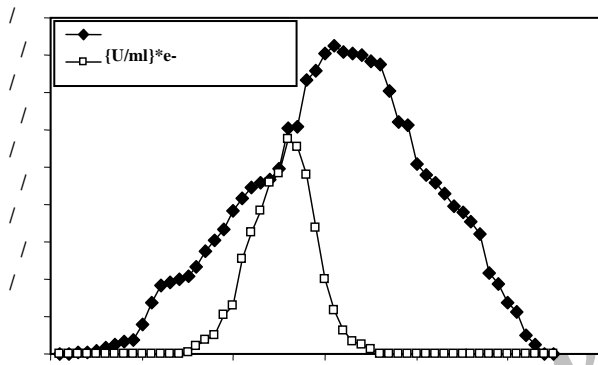
( / )

( )

( / )

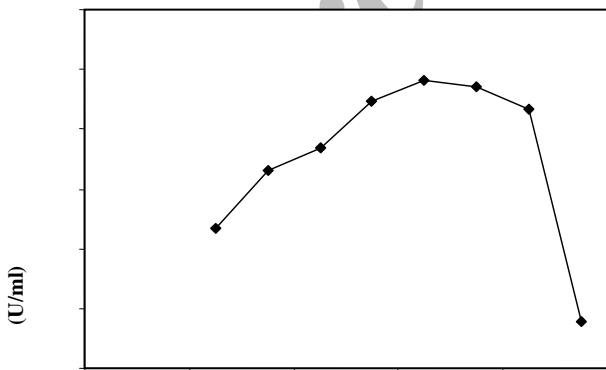
( / )

		(U/mg)	(mg)	(U)	
		/	/	/	
( / = )					
/	/	/	/	/	
/	/	/	/	/	
/	/	/	/	/	



G-200

□ nm      ◆ ( / × cm )  
 {U/ml}\*10



( )

[ ] /

nm  
 ( )  
 G-

( )

( )

pH ( )

pH

( )

pH

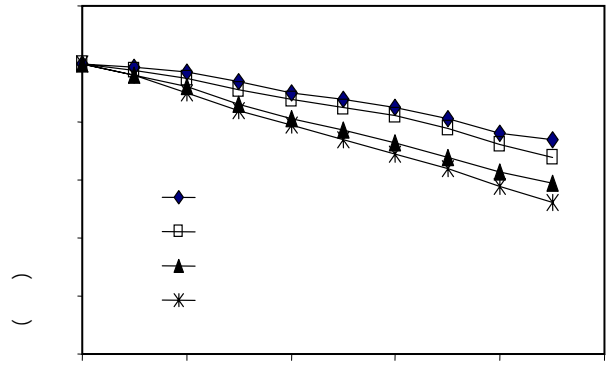
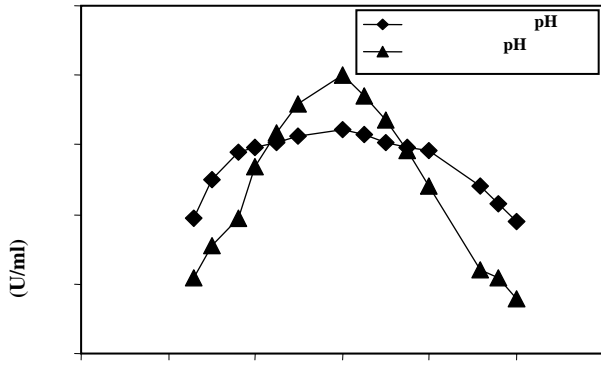
HRP .

pH

[ ]

( )

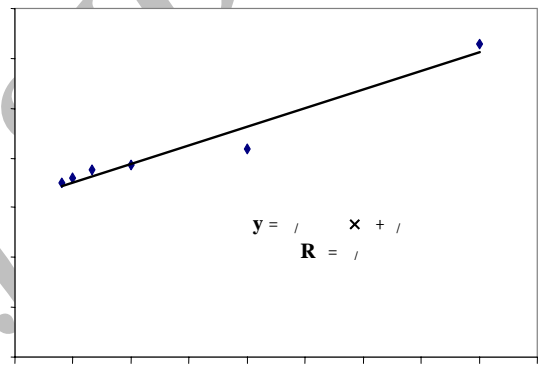
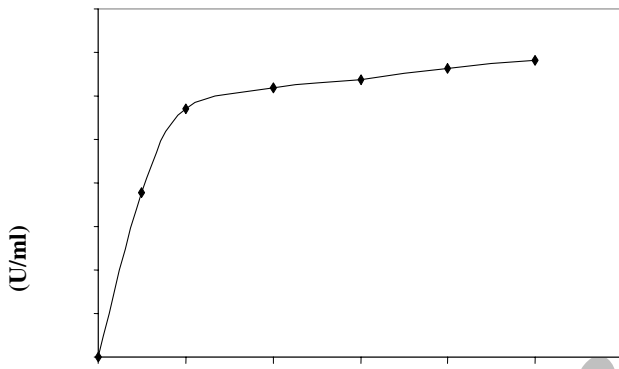
HRP



pH pH

( )

( )



(mM)  
H<sub>2</sub>O<sub>2</sub>

(mM)

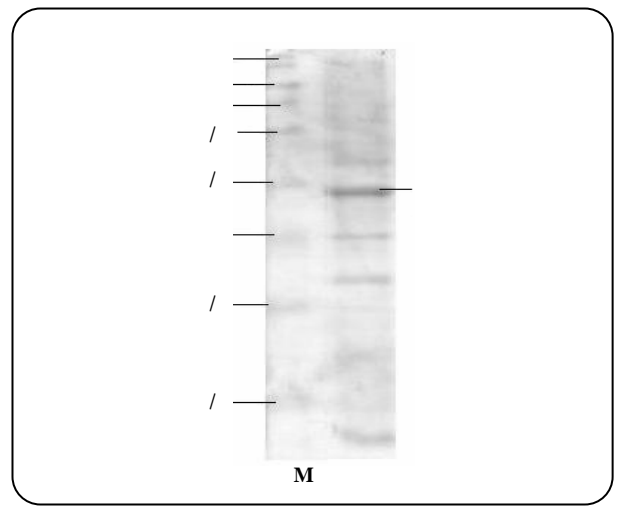
( )

V<sub>max</sub> K<sub>m</sub>

K<sub>m</sub> .

V<sub>max</sub> / mM

SDS-PAGE



SDS-PAGE

M

( )

[ ]

pH

HRP

( )

// : // :

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