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Flat-Sheet and Hollow Fiber Membrane

typically activated using EDC (1-ethyl 1,3-(3-dimethyl

adsorption of reaction constituents on polymer mem-

The HEC-coated hollow fibers were potted into a module using epoxy (6 fibers of 6·4 cm length each).

kinetic measurements. For both flat-sheet and hollow fibers, rate data were acquired for 20 min, when product concentration increased linearly with time.

TABLE 1
Michaelis–Menten Parameters

Membrane	V_{max} ($\mu mol\ min^{-1}\ g^{-1}$)	K_m ($mmol\ dm^{-3}$)	*Correlation coefficient* (r^2)
MPS[a]	7·46	0·48	0·99
Hollow fiber[a]	17·5	0·69	0·96
Papain in solution (no membrane)	111	1·44	0·98

[a] Apparent values for membranes

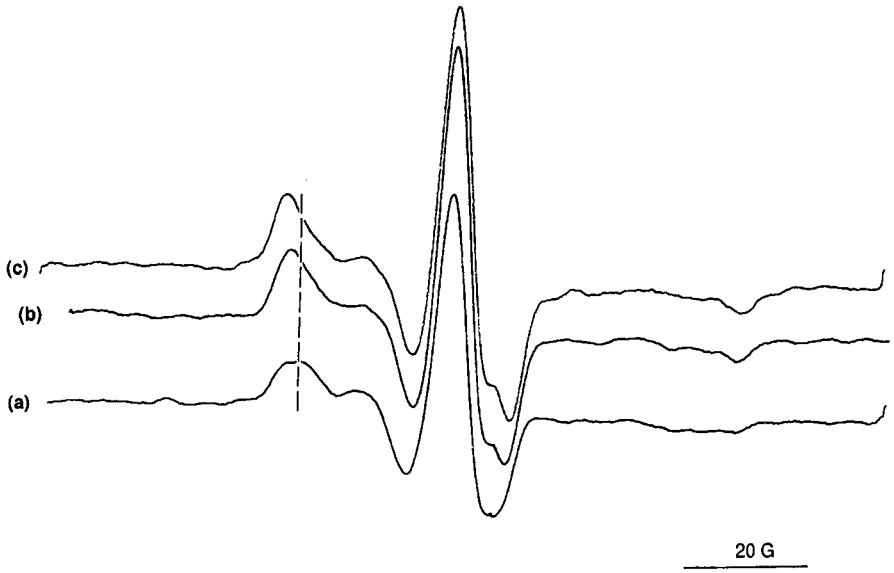

Fig. 9. Effect of denaturant on the EPR spectrum of hollow fiber. (a)—Fiber before urea treatment, (b) and (c)—fiber treated with 1 and 2 mol dm^{-3} urea, respectively. The dashed line indicates the position of the active subpopulation (A) associated with the

REFERENCES

15. Hayashi, T., Hiravama, G. & Imatashi, M., [illegible]