

รายการอ้างอิง

ภาษาไทย

นีไลบอล เนื่องตัน. โปรตีนในเลือดที่สำคัญทางการแพทย์. กรุงเทพมหานคร : บริษัทธรรมสาร จำกัด, 2539. หน้า 26-28.

พัชรา วีระกะลัส. เอนไซม์. กรุงเทพมหานคร : สำนักพิมพ์จุฬาลงกรณ์มหาวิทยาลัย, 2541. หน้า 282-293.

รศวันต์ ศรีวรวิทย์. การจับตะกั่วโดยเซอรูโลพลาสมีน. วิทยานิพนธ์ปริญญาโทมหาบัณฑิต ภาควิชาชีวเคมี บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย, 2539. หน้า 1-71.

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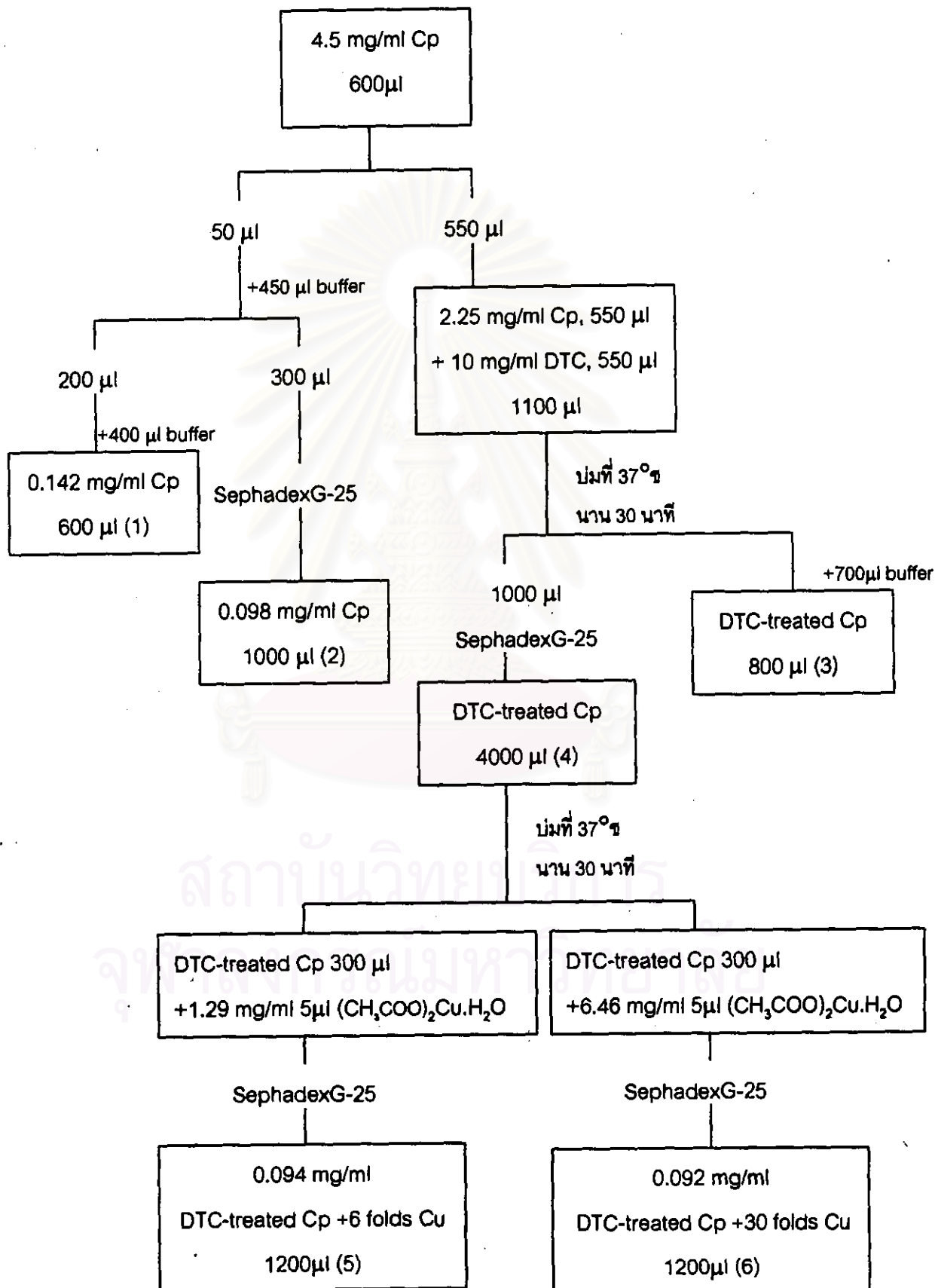


ภาคผนวก

สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย

รูปที่ 25

การเติมทองแดงกลับเข้าสู่เซอร์โคโลพลาสมินที่ทำปฏิกิริยากับ DTC
การทดลองทำตามแผนภูมิดังนี้



sample	volume μl	protein			Cu		activity		specific activity u/μg	Cu/Cp atoms/molecule	%retained activity
		mg/ml	total protein (mg)	μM	μM	total Cu nmole	u/50 μl	total activity unit			
Cprien (1)	600	0.142	0.085	1.07	7.26	4.36	315	3780	48.6	6.8	100
Cpหลัง (2)	1000	0.098	0.098	0.742	3.77	3.77	118	2360	36.3	5.4	49.6
DTC-treated Cprien (3)	800	0.255	0.204	1.93	3.61	2.88	0	0	0	1.9	0
DTC-treated Cpหลัง (4)	4000	0.474	1.89	3.59	6.62	26.48	0	0	0	1.8	0
DTC-treated Cp+6 folds Cu (5)	1200	0.094	0.101	0.712	4.18	5.02	148	3552	42.3	6.6	87
DTC-treated Cp+30 folds Cu (6)	1200	0.092	0.110	0.697	4.66	5.59	161	3144	35.3	6.9	73

ตารางที่ 1 ผลของการเติมทองแดงในเซลล์โพลีสไมนที่บ่มกับสารจับโลหะ DTC

สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย

ประวัติผู้เขียน

นางมารศรี อุชชิน เกิดวันที่ 8 เมษายน พ.ศ. 2501 ที่กรุงเทพฯ สำเร็จการศึกษา
วิทยาศาสตรบัณฑิต (เคมี) จากมหาวิทยาลัยเชียงใหม่ ปัจจุบันรับราชการที่คณะทันตแพทยศาสตร์
จุฬาลงกรณ์มหาวิทยาลัย



สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย