

Supporting information for Falk *et al.* (May 14, 2002) *Proc. Natl. Acad. Sci. USA*, 10.1073/pnas.102644799.

**Table 1. Incorporation of [<sup>14</sup>C]Xyl from UDP-[<sup>14</sup>C]Xyl (0.2 mM) into newly synthesized XyG by microsomal membranes in presence of UDP-Glc (1 mM) and increasing amount of detergent**

	CMC*	Type <sup>†</sup>	Detergent concentration			
			(% w/v)			
			<b>0.01</b>	<b>0.1</b>	<b>0.4</b>	<b>0.6</b>
			% activity remaining <sup>‡</sup>			
Digitonin	0.005	N	<b>120</b>	<b>64</b>	<b>55</b>	
Lys- $\alpha$ -PC	0.005	Z	<b>131</b>	<b>54</b>	<b>16</b>	
Tween 20	0.007	N	<b>125</b>	<b>46</b>	<b>25</b>	
Triton X-100	0.02	N	<b>86</b>	<b>5</b>	<b>6</b>	
Triton X-114	0.02	N	<b>134</b>	<b>20</b>	<b>19</b>	
CHAPS	0.6	Z	<b>81</b>	<b>24</b>	<b>18</b>	<b>16</b>
CHAPSO	0.5	Z	<b>73</b>	<b>18</b>	<b>20</b>	
SDS		A	<b>129</b>	<b>8</b>		
Glycodeoxycholate	0.1	A	<b>127</b>	<b>13</b>	<b>3</b>	
Glycocholate	0.35	A	<b>95</b>	<b>10</b>	<b>12</b>	<b>6</b>
Taurocholate	0.3	A	<b>59</b>	<b>3</b>	<b>5</b>	<b>3</b>
Zwittergent 3-14	0.01	Z	<b>11</b>	<b>2</b>		
Brij 58	0.008	N	<b>22</b>	<b>9</b>		

Reaction conditions are described in *Materials and Methods*. The results are expressed as % of the activity in controls minus detergent (~7 cpm/h/ $\mu$ g protein). The values are the mean of three estimations  $\pm$  SD of 10%. CHAPS, 3-[(3-cholamidopropyl)dimethylammonio]-1-propanesulfonate; CHAPSO, 3-[(3-cholamidopropyl)dimethylammonio]-2-hydroxy-1-propanesulfonate; SDS, sodium lauryl sulfate.

\*Critical micelle concentration (% w/v).

<sup>†</sup>N, nonionic; Z, Zwitterionic; A, anionic detergent.

<sup>‡</sup> ~500  $\mu$ g of protein in 60  $\mu$ l of reaction volume were used.