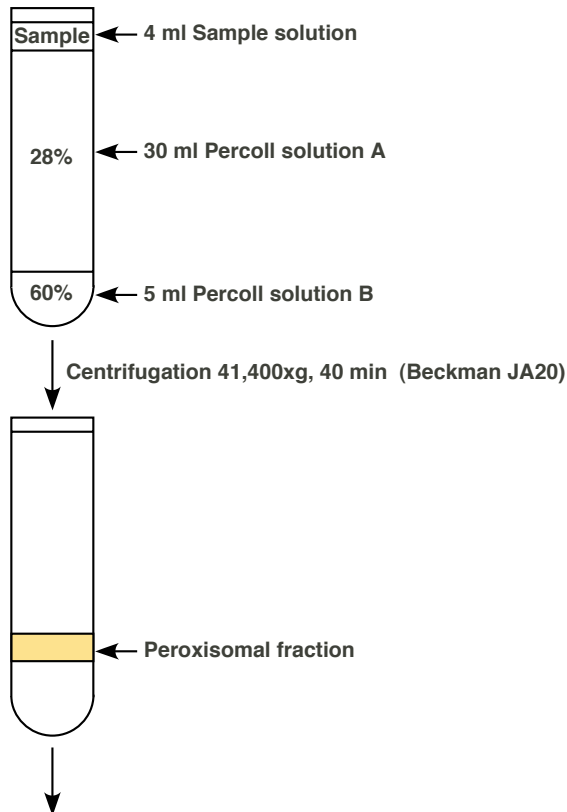


## Purification of peroxisomes in a self-generated Percoll gradient

<b>Homogenization buffer</b> 20 mM Na pyrophosphate-HCl (pH7.5) 1 mM EDTA 300 mM Mannitol	
<b>Percoll solution A</b> 28%(v/v) Percoll 10 mM HEPES-KOH (pH7.2) 1 mM EDTA 300 mM Mannitol	<b>Percoll solution B</b> 60%(v/v) Percoll 10 mM HEPES-KOH (pH7.2) 1 mM EDTA 300 mM Mannitol
<b>Sample buffer</b> 10 mM HEPES-KOH (pH7.2) 1 mM EDTA 300 mM Mannitol	

25 g *Arabidopsis cotyledons*  
Homogenization with 100 ml of homogenization buffer  
↓  
Percolation by four layers of cheesecloth  
↓  
Filtrate  
Centrifugation 1,500xg, 10 min (Beckman JA14)  
↓  
Supernatant  
Centrifugation 10,000xg, 20 min (Beckman JA14)  
↓  
Pellet  
Resuspend in 4 ml of sample buffer  
↓  
Layer 4 ml of sample solution onto top of the Percoll solutions  
Percoll (GE Healthcare) density gradient



Fractionation  
SDS-PAGE  
Identification of peroxisomal fractions by immunoblot analysis