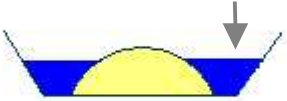


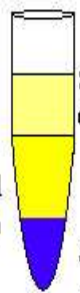
4ml Tampon lyse



1g poudre graines entières broyées  
azote liquide

Suite protocole

**EXTRACTION**

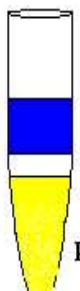


8ml chloroforme:AIA (24:1)

8ml phénol chaud (80°C)

4ml d'extrait brut

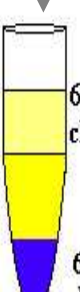
Vortexage  $\geq$  1min  
Centrifugation 10 000g 6min 4°C



phase aqueuse

phase organique

R cup ration de la phase aqueuse




6ml chloroforme:AIA (24:1)

6ml phénol

6ml phase aqueuse

Vortexage  $\geq$  1min  
Centrifugation 10 000g 6min 4°C


R cup ration de la phase aqueuse



Précipitation polysaccharides par éthanol 20%

Centrifugation 10 000g 10min 4°C

9ml phase aqueuse



Précipitation ARN totaux LiCl 2M

Centrifugation 10 000g 30min 4°C

Reprise du culot dans 500 $\mu$ l d' $H_2O$  DEPC

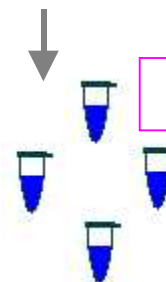
Lavage thanol 95% (2 volumes)  
+ acetate de sodium 0.3 M

Centrifugation 15 000g 20min 4°C

Lavage des culots thanol 70%  
Centrifugation 10 000g 10min 4°C

Schage culots et reprise dans 500 $\mu$ l T.E

ARN totaux



C. Bichri (2002)