

lay (!)
 met.
 H₂O
 chlorid
 chloro
 chloro
 met.
 H₂O

cupule 8: 1,0561g - 0,9860g = 0,0701g } x = 0,0688g
 cupule 9: 1,0566g - 0,9886g = 0,068g }

% de lipides ^{knill} du poids sec polytron technique acetone

$$\frac{0,0799g}{2mL} = \frac{x}{10mL} \quad x = 0,3995g$$

$$\frac{0,3995g}{5g} = \frac{x}{100g} \quad x = 7,99\%$$

% de lipides ^{knill} du poids sec agitation technique acetone

$$\frac{0,1973g}{2mL} = \frac{x}{10mL} \quad x = 0,9865g$$

Remarque: 7ml au lieu 10ml? 13,81% plutôt que 19,73%
 où sont passés les 3ml? a pipette si 10ml acetone?

$$\frac{0,9865g}{5g} = \frac{x}{100g} \quad x = 19,73\%$$

% de lipides ^{knill} du poids sec filtre polytron technique acetone

$$\frac{0,0760g}{2mL} = \frac{x}{10mL} \quad x = 0,3800g$$

$$\frac{0,3800g}{5g} = \frac{x}{100g} \quad x = 7,6\%$$

% de lipides ^{knill} du poids sec filtre agitation technique acetone

$$\frac{0,0688g}{2mL} = \frac{x}{10mL} \quad x = 0,3440g$$

$$\frac{0,3440g}{5g} = \frac{x}{100g} \quad x = 6,88\%$$

1/3/98
 1,1518g
 1,1469g
 1,1737g

6/3/98 Resultats: rendement technique acetone

knill homogénéisé au polytron: 7,99 g lipides / 100g poids sec
 Knill homogénéisé par agitation: 19,73 g lipides / 100g poids sec
Resultats: rendement technique acetone + contenu
 filtre dans ethanol resuspension Healt

unique
 zone

knill homogénéisé polytron: 7,60 g lipides / 100g poids sec + (p.s.)
 7,60g lipides / 100gp.s. = 15,59g / 100g

après avoir
double volume
le solvant
su efficacité
de l'extraction

• faire varier les volumes

de solvants (doublez à 100 mL)

6/3/98

après evapo resuspendre de 10 mL acetone-ethanol 1:1
12/3/98 fait Knill frais technique acetone

procedure: peser 25 g Knill frais 25,08g
(1^{er} essai) → 225 mL acetone pure froide (congelateur)
agitation 20 min (27 min)

* ← filtration et récupération du
sous vide (non la 1^{re} fois)
depot filtre
insu acetone froide
(congelateur)

Whatman
24 cm
cut no
101/045

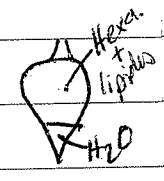
Jusqu'à ESC
vacuum = ?
11/3/98

evaporation (evapo. rotatif) faire
attention
PAS DE BALLONNES!
ballonnes

9/3/98

~~refroidir de glace le mélange H₂O-lipides~~
ajouter hexane ou pentane 25 mL de
mélange H₂O-lipides

ampoule de decantation, mélanger
↓ voir p. 15



ramasser lipides + hexane

evaporation (evapo. rotatif)

resuspendre 10 mL acetone hexane

evapo sans N

tech
d'lon
ouf

1/98 refaite
 7/98
 L. tota)
 es

4/3/98
 Vacuum=?
 a dû chauffer beaucoup
 pour compenser vacuum
 médecine

Evaporation
 85°C bain
 du bain

bonne
 poissons
 (photo
 du Knif)

resuspension ethanol 10 ml
 evaporation N
 pesée lipides, moyenne

6/3/98 • préparation des lipides de 1 boeuf (standard)
 technique chloro MeOH

1:1
 1 pipette de transfert de jaune d'oeuf
 chloro 50 ml
 méthanol 25 ml
 15 ml saline

↓
 mélanger ampoule décaantation

↓
 laisser se séparer 1 fin de semaine

9/3/98
 évaporation (évaporateur rotatif)
 ↓
 resuspension 10 ml chloroforme-méthanol
 1:1

3 prélèvements de 2 ml chacun
 ↓
 transfert chaque 2 ml de cupules al.
 ↓
 évaporation sous N

pesée des lipides, moyenne

tech. chloro-MeOH

vide 1/3/98 1,0150g
 avec lipides 1/3/98 1,1777g
 1/16/98 1,1012g
 1/16/98 1,1667g
 1/16/98 1,1670g

cupule 3: 1,1709g - 1,0155g = 0,1554g

% de lipides du poids sec technique chloro-MeOH

Cpif

$$\frac{0,1551g}{2ml} = \frac{x}{10ml} \quad \# \quad x = 0,7755g$$

10/3

$$\frac{0,7755g}{5g} = \frac{x}{100g} \quad \# \quad x = 15,51\%$$

Resultat: rendement technique chloroforme-methanol
15,51g lipides/100g poids sec Krill

9/3/98

Remarque: possibilité de présence d'eau ds la solution ^{lipides} puisque le mélange bouillait lors de l'évaporation sous évaporateur rotatif (peut-être dû au lavage du ballon que j'ai fait à l'eau)

10/3/0
dépôt
ag. ta
techni
actes
2^e es

9/3/98

agitation
technique
de l'air
Creprise
du 4/3/98
2^e essai

	vide	11/3/98	avec lipides	10/3/98
cupule 4	1,0160g	1,0976g	1,0971g	1,0958g
cupule 5	1,0153g	1,0952g	1,0938g	1,0965g
cupule 6	1,0190g	1,0977g	1,0997g	1,0995g

10/3/0

Remarque: au lieu de reposer 1 nuit, la solution ds ampoule (reprise méthode méthanol-chloroforme du 5/3/98 et 6/3/98) a reposé 5h30.

technique
chloro-meth.

9/3/98

	vide	Lipides	10/3/98	11/3/98
cupule 7	0,0218g	1,1778g	1,1687g	1,1657g
cupule 8	1,0188g	1,1788g	1,1679g	1,1688g
cupule 9	1,0227g	1,1826g	1,1729g	1,1719g

cupule 3: $1,1653g - 1,0134g = 0,1489g$

1/2 H₂O

% de lipides œuf du poids sec technique chloro-MeOH

$$\frac{0,1505g}{2ml} = \frac{x}{10ml} \quad x = 0,7525g$$

$$\frac{0,7525g}{5g} = \frac{x}{100g} \quad x = 15,05\%$$

Mett (pipette transfert) 5g 100g

10/3/98 Calculs: poids lipides Knill technique chloro-MeOH ^{2^e essai}

cupule 7: $1,1687g - 1,0218g = 0,1469g$
 cupule 8: $1,1679g - 1,0188g = 0,1491g$
 cupule 9: $1,1729g - 1,0227g = 0,1502g$

} $\bar{x} = 0,1487g$

10/3/98 % de lipides Knill du poids sec technique chloro-MeOH

$$\frac{0,1487g}{2ml} = \frac{x}{10ml} \quad x = 0,7435g$$

$$\frac{0,7435g}{5g} = \frac{x}{100g} \quad x = 14,87\%$$

10/3/98 Calculs: poids lipides Knill technique acetone ^{2^e essai}

cupule	vide	avec lipides	11/3/98
cupule 1:	1,0268g	1,1348g	1,1347g
cupule 2:	1,0275g	1,1518g	1,1364g
cupule 3:	1,0250g	1,1525g	1,1323g

10/3/98 Calculs: poids lipides Knill agitation technique acetone ^{2^e essai}

cupule 4: $1,0959g - 1,0160g = 0,0799g$
 cupule 5: $1,0973g - 1,0131g = 0,0842g$
 cupule 6: $1,0993g - 1,0190g = 0,0803g$

} $\bar{x} = 0,0815g$

10/3/98 % de lipides Knill ds filtre agitation technique acetone ^{2^e essai}

cupule 1: $1,1388g - 1,0268g = 0,1120g$
 cupule 2: $1,1390g - 1,0275g = 0,1115g$
 cupule 3: $1,1370g - 1,0250g = 0,1120g$

} $\bar{x} = 0,1118g$

11/3/98 % de lipides Knill du poids sec ^{2^e essai}

$$\frac{0,1118g}{2ml} = \frac{x}{10ml} \quad x = 0,4075g$$

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