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Popular Easter-brunch-buffets: salmonellae in egg based dishes

Easter wouldn't be the same without Easter eggs. And in Switzerland, the Easter brunch wouldn't be the same without the legendary „cracking of the eggs“. Every true Easter brunch buffet must have hard or soft boiled eggs, homemade egg-mayonnaise-canapés and the much-loved Tiramisù. But these delicious dishes made from raw or half cooked eggs may bear the potential danger of salmonella poisoning. The salmonella bacterium may be brought into a dish from the egg shell when the egg is cracked. Their number doubles every hour at room temperature. Such a dish left at room temperature or insufficient cooling from morning to lunch time, may suffice to cause a foodborne infection, so the shared opinion of experts.

Thanks to continuous prevention campaigns, the danger of contracting salmonellae in a private household is relatively small. Much more potent is the danger in public places like restaurants, cafés, confectionery shops or bakeries: despite the greatest care, it can happen that dishes like Tiramisù, egg-canapés or the mayonnaise made in-house are kept too long on the Easter buffet or the display case with insufficient cooling.

For the analysis of bacteria in eggs, the sample clean-up method GPC is ideally suited. We recommend the CLNpak GPC Clean-up Series from Shodex as the packing material of these columns is very robust. Even when used with different solvents there is no sign of deterioration. You will find more information on this column on the next page or on our website www.infochroma.ch.

And don't hesitate to click through our webshop www.chemoline.ch. In reference to the analysis of salmonellae in eggs, you will find Petri dishes for sample preparation but also convenient beakers from glass or polypropylene with white scales indicating the approximate volumes, an essential in every laboratory or household. So order one for your kitchen, go with the season and use it to prepare your own fresh mayonnaise. Under www.youtube.com/watch?v=OqbSO-F6SPM you see how easy this is using our chemoline-products. For now, we wish you and your family a happy salmonellae-free Easter and have fun with „cracking the Easter eggs“.

best regards
infochroma ag

CLNpak GPC «Clean-up» Series from Shodex

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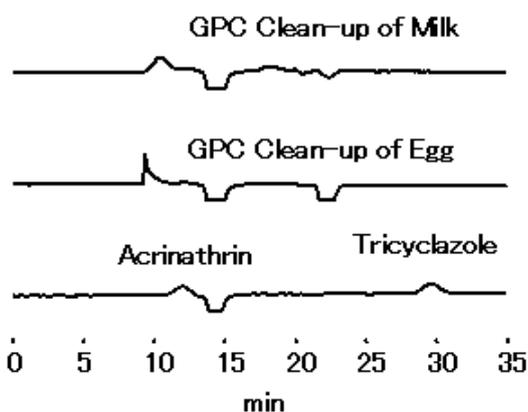
Analysis of pesticide residue in food:

Extraction method: milk, eggs

- weigh 20 g sample
- add 100 ml of acetonitrile and homogenise the sample
- centrifuge at 2500 rpm for 5 min., then skim the organic phase (1)
- add 50 ml of acetonitrile to the remaining aqueous phase and homogenise
- centrifuge at 2500 rpm for 5 min., then skim the organic phase (2)
- add sample 1 to sample 2, then add 10 g of NaCl and mix
- leave the sample solution standing for some time, then remove the aqueous phase
- add sufficient Na_2SO_4 to the acetonitrile mixture to remove the remaining water
- filter out the Na_2SO_4
- concentrate the filtrate at $< 40^\circ \text{C}$
- dilute the concentrate with acetone:cyclohexane (1:4) until the sample load is approximatively 5.0 g

Sample : 5 ml

- milk
- egg
- acrinathrin 5 mg/l
- tricyclazole 5 mg/l



Column: Shodex CLNpak EV-G AC (20.0 mm I.D. * 100 mm)
+ EV-2000 AC (20.0 mm I.D. * 300 mm)
Eluent: Acetone/Cyclohexane 1/4
Flow rate: 5 ml/min.
Detector UV (254 nm)
Column temp.: 40°C



ms-Pure septum: non-pigmented silicone septum

The ms-Pure silicone/PTFE septum is produced from natural non-pigmented silicone/PTFE. Tests show that it is 60 % purer than „standard“ silicone/PTFE septa from other producers.

- highest quality non-pigmented silicone elastomer, low bleed, excellent re-seal ability, resists coring
- intended for multiple injections
- low compression set for storage reliability

Caps with ms-Pure septum, supplied in pet boxes of 500 pcs

Aluminium crimp cap, clear	G003-ACC-SKFK10	CHF 18.50/100 pcs
Snap cap, blue	G003-SCB-SKFK10	CHF 21.50/100 pcs
Narrow Mouth screw cap, blue	G004-NM-CB-SKFK10	CHF 27.00/100 pcs
Agilent compatible screw cap, blue	G194B-SKFK10/09	CHF 29.50/100 pcs
Wide Mouth screw cap, black	G004-WM-CS-SKFK10	CHF 28.00/100 pcs



For further cap colours please refer to www.infochroma.ch/eng/vials/ms_pure

20 ml Storage Vial



Storage Vial, clear (H) or amber (D)
glass, complete with PTFE lined
closed-top screw cap
size: 23 x 75 mm
100 pcs/pack

G075Y-23/075-H = CHF 88.00/pack
G075Y-23/075-D = CHF 94.00/pack



Storage Vial, clear (H) or amber (D)
glass, complete with PTFE lined
closed-top screw cap
size: 27 x 57 mm
100 pcs/pack

G075Y-27/057-H = CHF 86.00/pack
G075Y-27/057-D = CHF 91.00/pack

Further cap colours available. Replace the «Y» with: B = blue, G = green, R = red, S = black, W = white

Our chemoline recommendations for the «chemist's kitchen»

Home-made mayonnaise: www.youtube.com/watch?v=OqbS0-F6SPM



Beaker, low form,
50 ml, DURAN® glass
50-1151 = CHF 7.90/pcs



Beaker, low form,
600 ml, DURAN® glass
50-1106 = CHF 12.00/pcs



Clockglass made from soda-lime glass, \varnothing 70 mm
50-1120 = CHF 2.70/pcs



Glass rod fused spherically on both ends, 5 x 200 mm
50-1006 = CHF 1.00/pcs



Measuring cylinder - DIN B, tall form,
250 ml, clear glass
50-1465 = CHF 14.10/pcs



Spatula made from polyamide plastic, spoon spatula,
length 210 mm
50-1943 = CHF 4.30/pcs

