

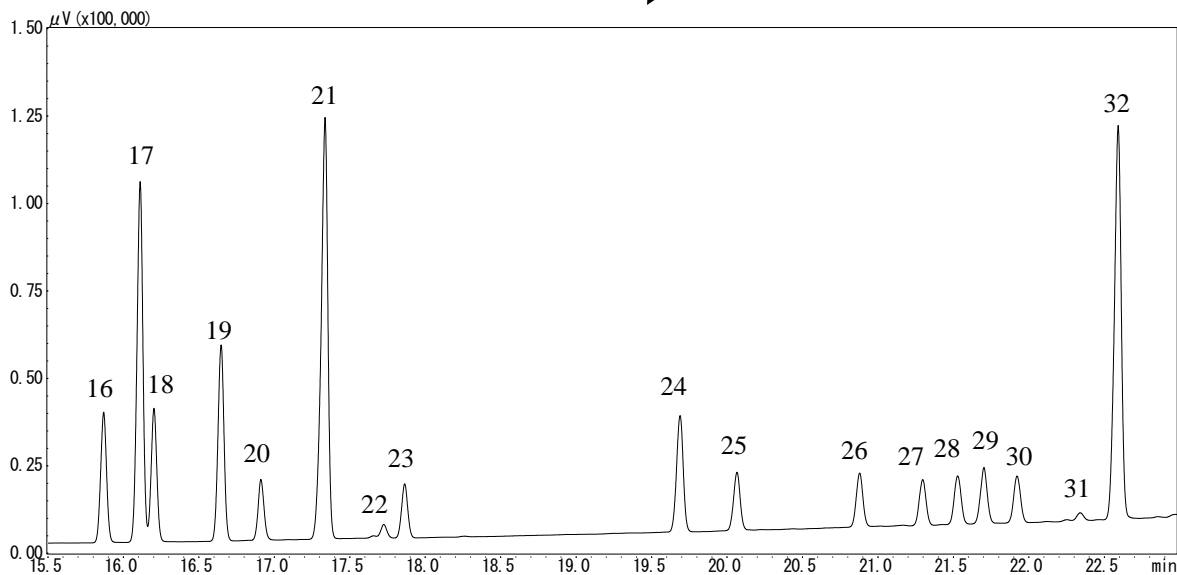
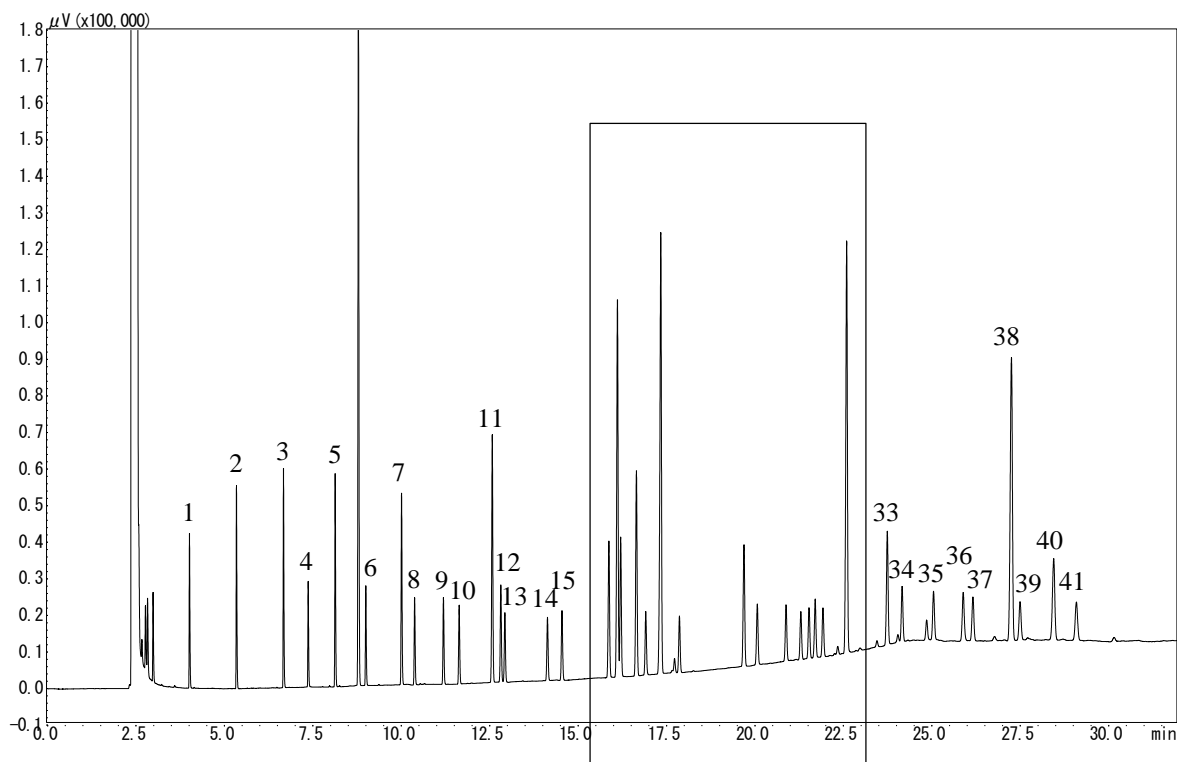
# InertSearch™ for GC

InertCap® Applications

## Fatty acid methyl ester

Data No. GA217-0644

*This chromatogram was provided by Dr. Kouhei Yamamoto (Osaka Prefecture University, Japan)*



# InertSearch™ for GC

## InertCap® Applications

### Conditions

**System** : GC-FID  
**Column** : InertCap 225 Custom-made for MS  
0.25 mm I.D. x 60 m df = 0.25 µm  
**Col. Temp.** : 80 °C(1 min hold) - 20 °C/min - 180 °C - 3 °C/min - 235 °C  
**Carrier Gas** : H<sub>2</sub> 50cm/sec  
**Injection** : Split 23.9 mL/min 250 °C  
**Detection** : FID 250 °C  
**Sample Size** : Analyte in Hexane 1.0 µL  
**Analyte** :

1. Caproic acid methyl ester (C6:0)
2. Caprylic acid methyl ester (C8:0)
3. Capric acid methyl ester (C10:0)
4. Undecanoic acid methyl ester (C11:0)
5. Lauric acid methyl ester (C12:0)
6. Tridecanoic acid methyl ester (C13:0)
7. Myristic acid methyl ester (C14:0)
8. Myristoleic acid methyl ester (C14:1(9c))
9. Pentadecanoic acid methyl ester (C15:0)
10. *cis*-10-Pentadecenoic acid methyl ester (C15:1(10c))
11. Palmitic acid methyl ester (C16:0)
12. *trans*-9-Hexadecenoic acid methyl ester (C16:1(9t))
13. Palmitoleic acid methyl ester (C16:1(9c))
14. Heptadecanoic acid methyl ester (C17:0)
15. *cis*-10-Heptadecenoic acid methyl ester (C17:1(10c))
16. Stearic acid methyl ester (C18:0)
17. Elaidic acid methyl ester (C18:1(9t))
18. Oleic acid methyl ester (C18:1(9c))
19. *trans*-9-*trans*-12-Octadecadienoic acid methyl ester (C18:2(9t,12t))
20. *cis*-9-*cis*-12-Octadecadienoic acid methyl ester (C18:2(9c,12c))
21. *trans*-9-*trans*-12-*trans*-15-Octadecatrienoic acid methyl ester (C18:3(9t,12t,15t))
22. γ-Linolenic acid methyl ester (C18:3(6c,9c,12c))
23. *cis*-9-*cis*-12-*cis*-15-Octadecatrienoic acid methyl ester (C18:3(9c,12c,15c))
24. Arachidic acid methyl ester (C20:0)
25. *cis*-11-Eicosenoic acid methyl ester (C20:1(11c))
26. *cis*-11,14-Eicosadienoic acid methyl ester (C20:2(11c,14c))
27. *cis*-8,11,14-Eicosatrienoic acid methyl ester (C20:3(8c,11c,14c))
28. Arachidonic acid methyl ester (C20:4(5c,8c,11c,14c))
29. Heneicosanoic acid methyl ester (C21:0)
30. *cis*-11,14,17-Eicosatrienoic acid methyl ester (C20:3(11c,14c,17c))
31. *cis*-8,11,14,17-Eicosatetraenoic acid methyl ester (C20:4(8c,11c,14c,17c))
32. *cis*-5,8,11,14,17-Eicosapentaenoic acid methyl ester (C20:5(5c,8c,11c,14c,17c))
33. Behenic acid methyl ester (C22:0)
34. Erucic acid methyl ester (C22:1(13c))
35. *cis*-13,16-Docosadienoic acid methyl ester (C22:2(13c,16c))
36. Tricosanoic acid methyl ester (C23:0)
37. *cis*-4,7,10,13,16-Docosapentaenoic acid methyl ester (C22:5(4c,5c,10c,13c,16c))
38. *cis*-7,10,13,16,19-Docosapentaenoic acid methyl ester (C22:5(7c,10c,13c,16c,19c))
39. *cis*-4,7,10,13,16,19-Docosahexaenoic acid methyl ester (C22:6(4c,7c,10c,13c,16c,19c))
40. Lignoceric acid methyl ester (C24:0)
41. Nervonic acid methyl ester (C24:1(15c))