umns have 4-5 times more sample capacity (400-500ng vs. 50-100ng). The increased sample capacity minimizes overloading of more concentrated samples with minimal loss in column efficiency.

The 30m, 0.53mm, 0.5um FAMEWAX" column has the sample capacity to accomodate direct and on-column injections. This wide bore column allows conversion from packed to capillary columns without the expense of adding a capillary injector to your GC.Although attaining the resolution requirements for PUFA analysis is difficult for most wide bore PEGs, Figure 3 illustrates that the 0.53mm ID FAMEWAX" column can provide sufficient resolution for PUFA analysis.

Unlike similar columns from other manufacturers, all FAMEWAX" columns are tested with two test mixtures. Each batch of polymer is tested with a menhaden type oil, and each column is tested with a Grob type test mix. The menhaden oil test ensures proper column polarity indicated by the separation and elution order of PUFAs. Also, 0.25mm and 0.32mm ID FAMEWAX" columns must pass the resolution criteria outlined in the official methods for complex PUFA matrices. The Grob mix ensures inertness, efficiency, film thickness consistency and minimal column bleed.

Save yourself time and money. Try Restek's new FAMEWAX" columns for fast and efficient FAMEs analyses. The 0.25mm and 0.32mm ID FAMEWAX" columns provide optimum PUFA analyses in less time than other columns. The 0.53mm ID provides capillary conversion in packed column instruments, maximum sample capacity, and the necessary resolution for a wide variety of FAME analyses, including complex PUFA analysis.All FAMEWAX" columns are tested with two test mixtures to provide you with the highest quality column for FAME analyses anywhere. We guarantee it!

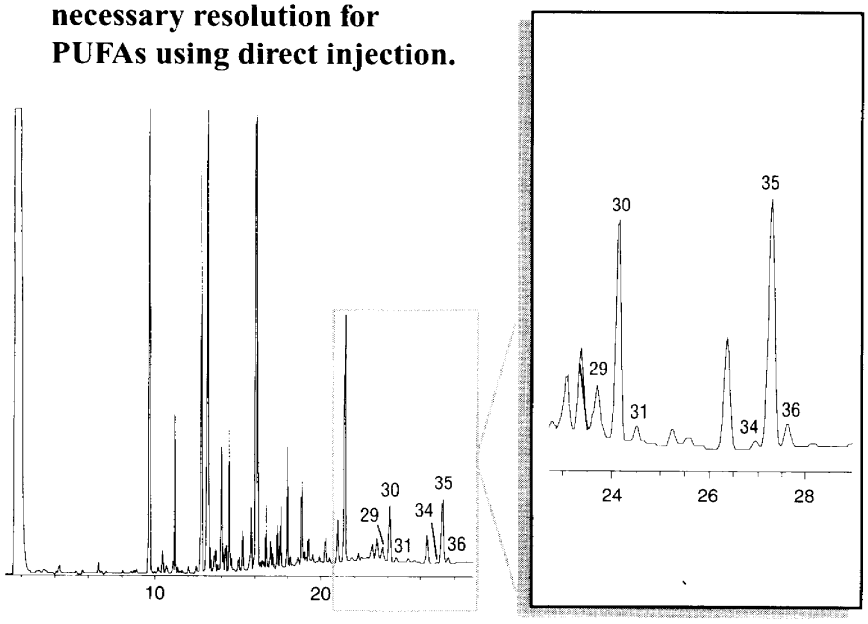
FAMEWAX" Columns

- **Significantly reduces analysis times.**
- **Specially tested to ensure column reproducibility. We guarantee it!**
- **0.25mm and 0.32mm ID columns available for complex PUFA analysis.**
- **Also available in 0.53mm ID columns.**

FAMEWAX" Columns

30m, 0.25mm ID, 0.25um FAMEWAX"	30m, 0.32mm ID, 0.25um FAMEWAX"	30m, 0.53mm ID, 0.50um FAMEWAX"
cat .# **12497**	cat.# **12498**	cat.# **12499**

Figure 3 - The 0.53mm ID FAMEWAX™ provides the necessary resolution for PUFAs using direct injection.



Compound List and Conditions for Figures 1-3

29. C21:5n3	34. C24:0
30. C23:0 (IS)	35. C22:6n3
31 C22:4n6	36. C24:1n9

Figure 1
30m, 0.25mm ID, 0.25um FAMEWAX (75062)
Figure 2
30m, 0.25mm ID, 0.25um Omegawax (6779-01B)
0.8ul split injection of menhaden oil PUFA with C23:0 (IS)
On-column concentration 100-150ng.
Oven temp.: 120°C to 220°C @ 7Cmin. (hold 20 min.)
Inj. & det. temp.: 220°C
Carrier gas: hydrogen
Linear velocity: 60cm/sec. set @ 120°C
FID sensitivity: 8 x l0-11 AFS
Split ratio: 50: 1

Figure 3
30m, 0.53mm ID, 0.50um FAMEWAX (82764B)
1.0ul direct injection of menhaden oil.
On-column concentration 2500ng total.
Oven temp.: 120°C (hold 2 min.) to 220°C @, 6C/min. (hold 20 min.)
Inj. & det. temp.: 230°C
Carrier gas: hydrogen
Linear velocity: 32cm/sec. set @120°C
FID sensitivity: 8 x 10-11 AFS