

Standard Laboratory Operating Procedure #1103 Lipid Test

Laboratory: Biotechnology
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Location: Food Science Lab
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General: A lot of lipids function as long-term energy storage. One gram of fat stores more than twice as much energy as one gram of carbohydrates. Lipids are also an important component of the cell membrane.

Safety: Safety Glasses
Be careful. Sudan red can stain clothes.

Materials:

Test Tubes	Timer
2 mL Food Sample Solution	Disposable Pipets
Vortex	
Sudan III	

Procedure:

1. Add 1 mL of food sample solution with .5 mL of Sudan III Solution.
2. Gently mix with Vortex.
3. Sudan red will stain the fat molecules.
4. The higher the fat content, the more particles the Sudan red will stain.