

# PRODUCT INFORMATION



## Short-chain Fatty Acid Mixture 1

Item No. 28679

**Supplied as:** A solution in water  
**Storage:** -20°C  
**Stability:** ≥4 years  
**Concentration:** 1 mg/ml for each lipid

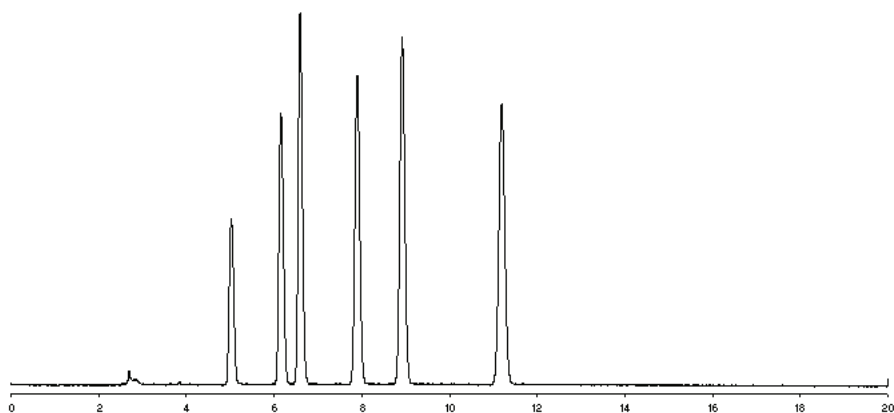
Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Description and Data

Short-chain Fatty Acid Mixture 1 contains six short-chain, water-soluble fatty acids: acetic, propionic, isobutyric, n-butyric, isovaleric, and n-valeric. It is intended for use as a reference standard for the detection of these short-chain fatty acids in various sample types by GC-FID, GC-MS, or LC-MS. For some applications, derivatization may be required. This mixture is supplied in an amber ampule in which the headspace has been purged with argon to prevent lipid oxidation.

Included are:

| Elution Order* | Item Name       |
|----------------|-----------------|
| 1              | Acetic Acid     |
| 2              | Propionic Acid  |
| 3              | Isobutyric Acid |
| 4              | n-Butyric Acid  |
| 5              | Isovaleric Acid |
| 6              | n-Valeric Acid  |



\*GC Column Used: Nukol, 30 m x 0.53 mm x 0.5 µm

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

#### WARRANTY AND LIMITATION OF REMEDY

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