

# SLsolution

sputum liquefying solution

## SLsolution: Sputum Liquefying Solution

### Convenient Ready to Use System for Liquefying Sputum Specimens

Copan's SLsolution is a ready to use mucolytic agent for sputum samples with the principle active ingredient being Dithiothreitol (DTT). SLsolution quickly liquefies sputum specimens without affecting the morphology, growth or microscopic staining of pathogens in the sputum. It enables the emulsification of sputum and mucus resulting in a homogenous suspension allowing for easier, more consistent and reproducible planting and streaking of specimens. SLsolution transforms specimens into liquid format and is provided in instrument-ready tubes allowing specimens to be processed using Copan WASP®: Walk-Away Specimen Processor.

- **Ready to Use in Barrier Plastic:** No need for rehydration of powder or dilution of liquid concentrate. Tubes of reagent are provided ready to mix with sputum sample. Shatterproof tubes are packaged in a modified atmosphere and vacuum sealed to protect the integrity of the reagent.
- **Minimizes Reagent Wastage:** Saves cost by avoiding excess use of reagent
- **Enables Automated Sample Processing**
- **Room Temperature Stable**



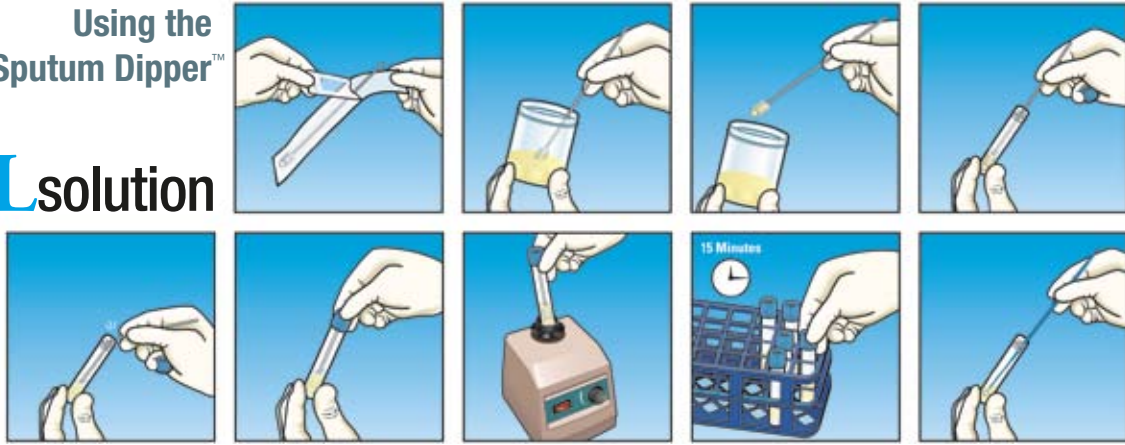
## Sputum Dipper™

Sputum Dipper™, exclusive to Copan, allows for easy transfer of sputum samples from specimen container to SLsolution tube. The Sputum Dipper™, Copan's latest innovation in pre-analytics, will transform the way sputum samples are handled. The ingenious drill-shaped design allows laboratory technologists to easily manipulate and transfer a representative sample of sputum from the sample container to the SLsolution. Sputum samples have a range of viscosities from thin mucus to thick and purulent, which makes it difficult for the technologist to consistently sample. The unique Sputum Dipper™ cuts through all types of samples, collecting the right volume of specimen within the molded spirals of the drill-shaped head, which is then mixed with SLsolution.

- **Ingenious and Convenient Tool to Collect and Transfer Sputum Samples**
- **Works Efficiently with Any Sample Viscosity** - Collects thin mucus and also cuts through the most purulent, tenacious samples
- **Delivers the Correct Volume into the DTT Reagent**

## Using the Sputum Dipper™

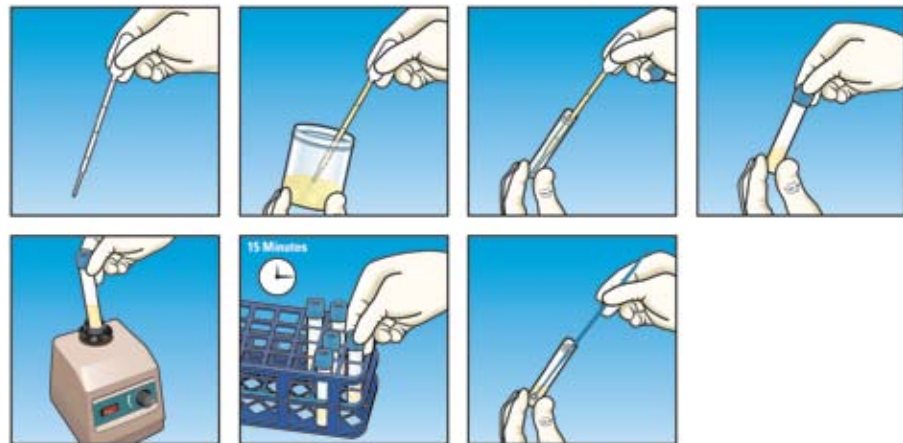
# SLsolution



1. Take one SLsolution tube out of the plastic package and one Sputum Dipper™ to process each sample.
2. Peel open the sterile Sputum Dipper™ pouch and remove the device.
3. Insert the Sputum Dipper™ into the container of sputum specimen.
4. Completely submerge and rotate the drill-shaped head of the Sputum Dipper™ in the sample for approximately 10 seconds ensuring the plastic coils of the dipper are filled up with sputum sample. If necessary angle the Sputum Dipper™ and tilt the sputum container to ensure the dipper is filled with sample.
5. Remove the cap of the SLsolution tube.
6. Transfer the Sputum Dipper™ into the SLsolution tube and break-off the shaft of the dipper at the molded breakpoint.
7. Re-cap the SLsolution tube.
8. Vortex mix the SLsolution tube for 30 seconds at 2000-2500 rpm.
9. Leave the sputum and SLsolution mixture to stand at room temperature for 15 minutes. (prolonged contact time up to six hours does not inhibit bacteria and fungi survival in the sample)
10. Unscrew the cap of SLsolution tube and using a sterile loop aseptically remove an aliquot of suspension and plant onto appropriate culture medium for the isolation of bacteria and fungi.

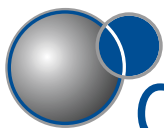
## Using the Transfer Pipet

# SLsolution



1. Take one SLsolution tube out of the plastic package and one sterile transfer pipet to process each sample.
2. Peel open the package containing the sterile transfer pipet and remove the device.
3. Insert the pipet into the container of sputum specimen and squeezing the bulb aspirate 1ml of sputum.
4. Remove the cap of the SLsolution tube.
5. Pipet the entire contents of the pipet into the tube of SLsolution.
6. Re-cap the SLsolution tube.
7. Vortex mix the SLsolution tube for 30 seconds at 2000-2500 rpm.
8. Leave the sputum and SLsolution mixture to stand at room temperature for 15 minutes. (prolonged contact time up to six hours does not inhibit bacteria and fungi survival in the sample)
9. Unscrew the cap of the tube and using a sterile loop aseptically remove an aliquot of suspension and plant onto appropriate culture medium for the isolation of bacteria and fungi.

Copan Cat. No.	Product Description	Pack Size
097CE.A	<b>Copan SLsolution in bulk:</b> 12 x 80mm polypropylene screw-cap tubes with internal conical shape filled with 1ml of SLsolution	30 tubes per shelf pack (30 pcs) 10 shelf packs per box (300 pcs)
095CE.A	<b>Copan SLsolution Kit:</b> 12 x 80 mm polypropylene screw-cap tubes with internal conical shape filled with 1ml of SLsolution. Sterile transfer pipets for sputum sample transfer	20 tubes and 20 pipets per shelf pack (20 tests) 10 shelf packs per box (200 tests)
098CE.A	<b>Copan SLsolution Kit:</b> 12 x 80 mm polypropylene screw-cap tubes with internal conical shape filled with 0.5 ml of SLsolution. Sterile Sputum Dippers™ for sputum sample transfer	20 tubes and 20 Sputum Dippers™ per shelf pack (20 tests) 10 shelf packs per box (200 tests)
096CS01	<b>Sputum Dipper™:</b> Sterile individually wrapped	100 pcs per shelf pack 1000 pcs per box



# COPAN

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