



DIRECTIONS FOR USE

Phenol S/P™ Products (K168 & K169)

- * Single-Phase Allows "Worry-Free" Pipetting of Phenol into Samples
- * Premixed, Equilibrated Phenol S/P Mixtures Increase Laboratory Safety

AMRESCO introduces two Phenol S/P™ products, Phenol S/P, Buffer Saturated and Phenol:Chloroform:Isoamyl Alcohol S/P (25:24:1), for maximum convenience. Both Phenol S/P mixtures are ready-to-use single-phase solutions that do not have to be equilibrated with a buffering solution prior to use. These newest phenol products for nucleic acid purification allow the end user to extract proteins in less time and with fewer associated hazards than preparing traditional phenol solutions in the laboratory.

Phenol S/P, Buffer-Saturated (K168)

This single-phase phenol product is saturated with Tris-HCl buffer to produce a ready-to-use solution for the extraction of cellular components (proteins and lipids) from nucleic acid isolations. Equilibrated to pH ≥ 7.5 @ 25°C, this single-phase phenol mixture is used at room temperature and stored at 2-8°C.

Phenol S/P, Buffer Saturated Specifications:

| | |
|--|---------------------|
| Appearance @ 25°C | Clear, Single-Phase |
| pH @ 25°C (20-fold dilution in H ₂ O) | 7.65 +/- 0.15 |

Phenol:Chloroform:Isoamyl Alcohol S/P (25:24:1) (K169)

This single-phase phenol product is a mixture of phenol, chloroform, and isoamyl alcohol (25:24:1, v/v) in a ready-to-use solution for the extraction of cellular components (proteins and lipids) from nucleic acid isolations. Equilibrated to pH > 8.0 @ 25°C, this single-phase phenol mixture is used at room temperature and stored at 2-8°C.

Phenol:Chloroform:Isoamyl Alcohol S/P (25:24:1) Specifications:

| | |
|--|---------------------|
| Appearance @ 25°C | Clear, Single-Phase |
| pH (aqueous phase) @ 25°C (1:1 dilution in H ₂ O) | 8.20 +/- 0.15 |

AMRESCO Phenol S/P mixtures are produced using biotechnology grade reagents to ensure a high quality, nuclease-free product. These phenol mixtures may exhibit two phases when properly stored at 2-8°C; therefore, they should be warmed to room temperature prior to use. For increased safety and stability, Phenol S/P solutions are packaged under argon in plastic-coated, shatter-resistant amber glass bottles.

| Code | Product Name | Size |
|-------------|---|------------------|
| K168 | Phenol S/P, Buffer Saturated | 100 ml 400 ml |
| K169 | Phenol:Chloroform:Isoamyl Alcohol S/P (25:24:1) | 100 ml 400 ml |

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211 Avenue J.F. Kennedy - BP 1140
03103 Montluçon cedex - France
Tél 33 (0)4 70 03 88 55 - Fax 33 (0)4 70 03 82 60
e-mail interchim@interchim.com - www.interchim.com

