

Product Name:	Species Mix HYE DIGEST A+B
Catalog Number:	SmixDAB_1
Quantities:	2 x 20 µg or 2 x 100 µg (each 5x 20 µg)
Application:	For research use only.

1. Product Information:

Our **HYE (Human - Yeast - *E. coli*)** Species Mix is specifically tailored for mass spectrometry applications to support your quality control, method establishment and/or system validation. Reliable MS quality control is enabled by the HYE Species Mix to ensure reproducible and precise measurements through regular quality checks. MS performance of your system is maximized through sensitivity and dynamic range tests. The HYE Species Mix features a precisely balanced blend of a species-specific peptide extracts in two variants to verify quantitative performance of your MS instrument:

HYE Species Mix A: 65 % Human, 30 % Yeast and 5 % *E. coli*

HYE Species Mix B: 65 % Human, 15 % Yeast and 20 % *E. coli*

These two digested mixes are optimized for mass spectrometry applications and are salt-free and detergent-free.

2. User Guide:

The HYE Species Mix is provided as a digested protein lyophilisate to ensure stability during transport and storage. Following reconstitution instructions are recommended to achieve optimal performance in downstream applications:

1. Dissolve the lyophilized HYE Species Mix in **100 µl** ultra-pure water to obtain a concentration of **200 ng/µl**. Alternatively use: 0.1 % trifluoroacetic acid (TFA) or 0.1 % acetic acid.
2. Gently mix by pipetting up and down until the lyophilisate is fully dissolved. Avoid vigorous shaking.

Optional: For optimal reconstitution, use ultra sonification for 1 min.

3. Product Specifications:

Applications:

LC/MS standardization
LC/MS MS method development
MS quantification validation

Source:

Escherichia coli K12
Saccharomyces cerevisiae BY4741
Homo sapiens HeLa (CCLV-RIE 82)

Visual:

Colorless/White powder

Storage:

Shipped at room temperature. Store at -20°C or below.

Stability:

Reconstituted product is stable for 1 year at -20°C or below. To assure long term stability of reconstituted product, aliquot and freeze at -80°C.

Additional Information:

For MSDS please visit:
www.protec-diagnostics.com

Related ProTec Diagnostics Products:

SmixDA_1 Species Mix HYE Digest A
SmixDB_1 Species Mix HYE Digest B

Need Technical Support? Please Contact:

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