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## Certificate of Analysis and Data Sheet

### Pregnancy Associated Plasma Protein A (PAPP-A)

<b>Source:</b> Pooled human retroplacental blood	<b>Catalog No.</b> MD-03-0066P
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**Physical appearance:**

Lyophilized powder.

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Formulation:**

Lyophilized from 10mM Tris-HCl, 0.15M Sodium chloride, pH 7.5. Purified by ion exchange chromatography, affinity chromatography, gel-filtration and negative immunoaffinity chromatography.

**Stability:**

Upon receipt of PAPP-A, store at -20°C. Stable for 18 months. Avoid multiple freeze/thaw cycles. Reconstitute with sterile distilled water. After reconstitution, store at 4°C for up to 2 weeks.

**Purity:**

>85% pure (SDS-PAGE)

**Pathogens:**

Starting material was tested and found negative for HBsAg, HCV, HIV-1&2 antibodies, and Syphilis. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.

**Biological Activity:**

Not determined

**Applications:**

1. Immunofluorescence assay using monoclonal antibodies specific to PAPP-A.

Other applications have not been tested, but should not necessarily be excluded. The optimal working titer for each application should be determined empirically.

**Multimers:**

Heterotetrameric complex, consisting of PAPP-A and proMBP subunits.

**Usage:**

This material is offered for research, laboratory or further evaluation purposes.