

# Bioassayplus Inc.

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## Certificate of Analysis

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

**Product name:** Recombinant *T. Vaginalis* adhesion protein

**Catalog # :** rP65

**Description:** *Trichomonas vaginalis* is a parasite and the causative agent of *trichomoniasis*. It is the most common pathogenic protozoan infection of humans. Infection rates between men and women are similar with women being symptomatic, while infections in men are usually asymptomatic. Transmission usually occurs directly through vaginal intercourse. The WHO has estimated that 160 million cases of infection are acquired annually worldwide. The estimates for North America alone are between 5 and 8 million new infections each year, with an estimated rate of asymptomatic cases as high as 50%.

P65 is an adhesion protein of *T. vaginalis* present over its surface, it attaches to epithelial cell to start infection. P65 is an important marker for the diagnosis of *T. vaginalis* infection. Recombinant P65 was expressed as a full length protein from *E. coli*, it migrated at 67kDa position on SDS-PAGE.

**Source:** *E. coli*

**Format:** Purified, Liquid

**Purification:** >90% pure (12% PAGE-PAG Coomassie blue stain). Proprietary chromatographic technique

**Concentration:** 1.09 mg/ml ( Lot: 09-23-2018 )

**Buffer:** 25mM Tris base +25mM K<sub>2</sub>CO<sub>3</sub>

**Applications:** Immunoassay

**Storage:** Upon receipt, store at -20°C. Avoid multiple freeze/thaw cycles.



65kDa, recombinant *T. Vaginalis* P65, lot 09-23-2018