

### Product Specification Sheet

Description: CypExpress™ 19A1  
Product Number: CE19A1.1  
Aliquot: 1.0 Gram  
Lot Number: ce19A1.160812  
Storage: -80°C

- DESCRIPTION:** CypExpress™ 19A1 is a permeabilized and stabilized dried yeast powder preparation containing recombinant human CYP 19A1 and recombinant human P450 NADPH oxidoreductase.
- ACTIVITY:** 20 mg of CypExpress 19A1 produced 7.0 micrograms of estradiol from 288 micrograms of testosterone in three hours at 37C. The reaction was performed in 1.0 mL of 100 mM pH 7.4 phosphate buffer containing 2.0 mM NADP+ and 5.0 mM G6P.
- THAWING:** It is important to avoid water adsorption during thawing. Remove the CypExpress™ vial from storage and warm to room temperature prior to opening. Return unused powder to -80°C.
- STORAGE:** Store at -80°C. Although CypExpress™ preparations can be warmed to room temperature multiple times, it is best to aliquot as needed to avoid multiple freeze/thaw cycles.
- SUGGESTED PROTOCOLS:** The basic protocols attached are intended as a starting point that can be optimized by an experienced user for specific applications and samples.