



## 5-FAM-X-UTP, lyophilized powder

Catalog Number	Packaging Size
C408B	25 nmol

**Storage upon receipt:** -20°C, protected from light.

### User Manual

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### I. Product Description

5-FAM-X-UTP is supplied as lyophilized powder. The nucleotide is designed for indirect nonradioactive enzymatic labeling of RNA during *in vitro* transcription. 5-FAM-X-UTP can be enzymatically incorporated into RNA with T7, T3 and SP6 RNA polymerases, as well as other RNA modifying enzymes. The X linker between FAM and UTP can improve the incorporation efficiency.

### II. Specifications

Excitation/Emission (nm): 495/518 nm

Concentration: NA

Storage: Store at -20°C

Molecular Formula: C<sub>39</sub>H<sub>38</sub>N<sub>4</sub>Na<sub>3</sub>O<sub>22</sub>P<sub>3</sub>

Molecular Weight: 1076.62

### III. General Characteristics

$\lambda_{max}=495 \text{ nm}$ ,  $\epsilon=70.0 \times 10^3 \text{ M}^{-1}\text{cm}^{-1}$  (pH 8.0).

