

Butyrylcholinesterase Fluorometric Detection Kit

Cat. No. Kit-0133 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Fluoro BChE detection kit utilizes a non-fluorescent molecule that covalently binds to the thiol product of the reaction between the BChE substrate and the BChE in the standards and samples, yielding a fluorescent product read at 510nm in a fluorescent plate reader with excitation at 390nm.
Description	Butyrylcholinesterase (BChE) belongs to the same structural class of proteins as acetylcholinesterase (AChE). The 440kDa tetrameric glycoprotein is predominantly found in blood, kidneys, intestine, liver, lung, heart and the central nervous system. BChE preferentially acts on butyrylcholine, but also hydrolyzes acetylcholine. Alzheimer's disease appears to be associated with decreased acetylcholinesterase activity and an increase in Butyrylcholinesterase activity. BChE activity, therefore, has potential applications as a biomarker for progression or as a target for future therapies.
Applications	Fluorescence plate reader
Storage	Long Term Storage: -20°C; Upon Arrival: 2-8°C
Kit Components	1. Butyrylcholinesterase standard, Storage 2-8°C; 2. Thiol Detection Reagent-2 vials, Storage 2-8°C; 3. BChE Substrate-2 vials, Storage 2-8°C; 4. Dry DMSO, Storage 2-8°C; 5. Assay Buffer concentrate, Storage 2-8°C; 6. Black 96-well Costar 3650 plates-2
Features & Benefits	Measure BChE activity as fluorescent readout; endpoint or kinetically; Run serum, pla

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

sma, CSF or cell/tissue lysates as samples; Sensitive-measure $< 0.02 \mu\text{g/L}$ of bch
e="">>

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA