



# Honeywell Burdick & Jackson

## New Products: 5-Ethylthio-1H-Tetrazole (ETT) Activators

### Applications

The 5-Ethylthio-1H-Tetrazole (ETT) Activators are used to synthesize DNA and RNA oligonucleotides for therapeutic and medical diagnostic applications. They are an integral part of both large- and small-scale oligonucleotide (RNA/DNA) syntheses. Oligonucleotides are currently used for genomic, proteomic and drug discovery technologies.

### Honeywell B&J Activator Offer...

- Honeywell B&J's extensive experience in the development and scale-up of activator solutions for more than a decade.
- the same quality, consistency and reliability of Honeywell B&J high purity solvents
- enhanced solubility and reactivity compared to existing Tetrazole activators.
- shelf life, stability and container compatibility data to support long-term product integrity, consistency and reliability.
- customer testimony that Honeywell B&J activators have superior performance and low water content.
- the 0.5M ETT Activator designed specifically for RNA synthesis to speed up the coupling reaction and reduce stoichiometry of the phosphoramidite/activator solution.
- a wide range of flexible packaging solutions that ensure optimal dispensing for laboratory and production scale synthesizers.
- filtered solutions through 0.2 µm filter to avoid clogging reagent transfer lines during synthesis.

### Honeywell's Global Biotech Portfolio Expansion

Honeywell B&J is continuing to explore and support new activators technologies for Biotech applications worldwide.

### DNA Synthesis Activator

Cat No.	Description	Size
BR721-0450	Activator 0.25M ETT	12 x 450mL
SR721-1 <sup>†</sup>	Activator 0.25M ETT	2 x 1L
BR721-2	Activator 0.25M ETT	4 x 2L
BR721NP20	Activator 0.25M ETT	20L
BR721-20	Activator 0.25M ETT	20L
BC721-56*	Activator 0.25M ETT	56L
BC721-200*	Activator 0.25M ETT	200L

### RNA Synthesis Activator

Cat No.	Description	Size
BR725-0450	Activator 0.50M ETT	12 x 450mL
BR725-1 <sup>†</sup>	Activator 0.50M ETT	2 x 1L
BR725-2	Activator 0.50M ETT	4 x 2L
BR725-20	Activator 0.50M ETT	20L

<sup>†</sup> Packaging suitable for direct connection to the OligoPilot® II and ÄKTA™ oligopilot™ 10 and 100 RNA/DNA Synthesizers. OligoPilot ÄKTA, and oligopilot are trademarks of Amersham Biosciences.

\* Packaged in returnable Stainless Steel Pressure Dispense System.

### Product Specifications

#### Activator ETT, 0.25 M 5-Ethylthio-1H-tetrazole in Acetonitrile

ETT	0.25 ± 0.02M ETT by HPLC
Water	<60 ppm by Karl Fischer

#### Activator ETT, 0.50 M 5-Ethylthio-1H-tetrazole in Acetonitrile

ETT	0.50 ± 0.02M ETT by HPLC
Water	<60 ppm by Karl Fischer

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