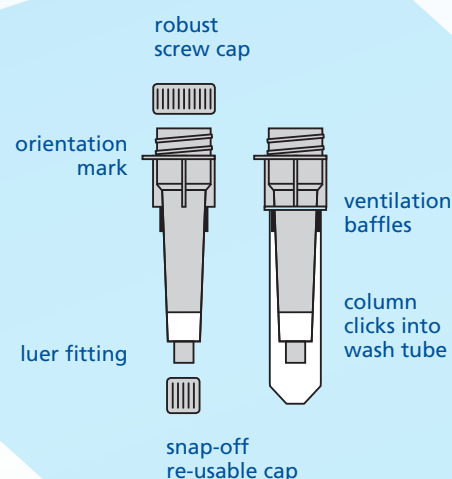


TurboTag technology

precision protein
labeling kits

10 min.
protocol

**TurboTag
labeling kits
include the unique
emp MINI Columns
for efficient and
easy purification**



**The
fastest
and easiest
precision labeling
kits**



*excellence
made possible*

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09. 2021

emp BIOTECH is an ISO 9001:2015 certified company
Registration number 011001300789 (TÜV Rheinland)

TurboTag labeling kits

- QUICK:** Pure, labeled protein in just 10 minutes
- EASY:** Simply mix, incubate, and purify
- PRECISE:** Choose and control the degree of labeling of your protein
- CONVENIENT:** Includes ready-to-use CentriPure MINI columns

chemistry

Protein with Free Amines

NH_2

NHS-Ester of the Label

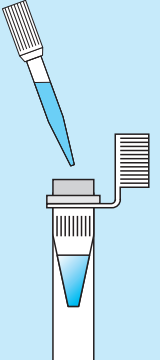
N-OOC

Stable Amide Linkage of the Conjugate

NH

typical workflow

1. buffer protein solution



2. dissolve reactive dye



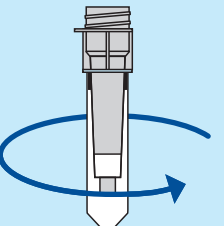
3. mix and incubate 5 min.



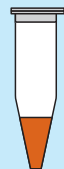
4. load the column



5. centrifuge the column



6. conjugate ready to use



Delivers precision labeling and rapid purification of antibodies, enzymes and other proteins. For controlled labeling and purification of proteins having a molecular weight greater than 25 kDa.

- 3 labeling reactions per kit
- Label up to 15 nmol of protein per reaction using covalent NHS-ester chemistry
- Optimized IgG labeling protocols for 100 µg and 1 mg

Fluorescent Dye Data						
Fluorophore	Excitation (λ _{max} in nm)		Emission (λ _{max} in nm)		as an alternative to	Product Code
MANT	331		426		AlexaFluor™ 350	MK-F0108
DY-405	405		423			MK-D0113
DY-415	418		467			MK-D0114
DY-485XL	485		560			MK-D0143
DY-490	491		515		AlexaFluor™ 488	MK-D0125
DY-495	497		523			MK-D0109
Fluorescein (FAM)	498		522			MK-F0101 MK-F0103*
DY-481XL	515		650			MK-D0103
DY-521XL	523		668			MK-D0126
DY-530	539		561			MK-D0127
DY-555	547		572		AlexaFluor™ 546	MK-D0128
DY-554	551		572		CY3™, AlexaFluor™ 555	MK-D0101
Tetramethylrhodamine (TAMRA)	557		574			MK-T0102
DY-550	558		578			MK-D0111
DY-547P1	559		575			MK-D0112
DY-549P1	560		575			MK-D0116
DY-590	580		599		AlexaFluor™ 568	MK-D0102
X-Rhodamine (ROX)	587		599			MK-R0103
DY-594	594		615		AlexaFluor™ 594	MK-D0129
Texas Red	595		615			coming soon
DY-634	635		658			MK-D0107
DY-633	637		657			MK-D0104
Semper Red 647	647		665			MK-F0102
DY-647P1	652		663		CY5™, AlexaFluor™ 647	MK-D0110
DY-648P1	653		672			MK-D0115
DY-649P1	654		672			MK-D0117
DY-652	654		675			MK-D0118
DYQ-661	662		n/a**			MK-D0105
Methylene Blue (MCMB)	667		696			MK-E0150
DY-677	673		694		CY5.5™, AlexaFluor™ 680	MK-D0119
DY-675	680		699			MK-D0106
DY-682	692		709			MK-D0108
DY-701	706		731			MK-D0120
DY-700	707		730			MK-D0130
DY-734	736		759		CY7™	MK-D0121
DY-750	747		776			MK-D0132
DY-752	748		772			MK-D0123
DY-749P1	759		780			MK-D0122
DY-777	770		788			MK-D0124

* FITC ester
** Quencher. No stoke shift.