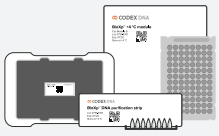
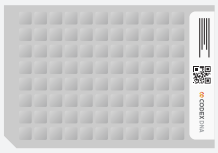
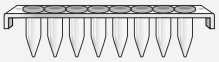
BioXp™ mRNA synthesis kit with modified nucleosides and CleanCap® AG (3'OMe) capping

Specification sheet

Contains all the Gibson Assembly® and other reagents necessary to synthesize at least 5 micrograms of capped and tailed synthetic mRNA using *de novo* synthesized, error-corrected gene fragment.

Catalog number	BX-08-MRNA-M1-CC (8 reactions); BX-16-MRNA-M1-CC (16 reactions);
Description	BioXp mRNA synthesis kit with N1-methyl-pseduouridine nucleoside modification for synthesis of mRNA with 5' CleanCap® AG (3'OMe) cap and poly(A) tail
mRNA size	0.4kb–1.8kb
Minimum yield	5 µg Yield; 10µg Median Yield **Note:** Yield is highly sequence dependent, expect variability when quantifying the mRNA yield for your sequence.
System	BioXp 3250 instrument
System runtime	~18 hours
Package contents	**Module A:** Dried down DNA oligonucleotides and DNA purification strip **Module G:** Reagents for DNA assembly and *in vitro* transcription including CleanCap® AG (3'OMe) **Module F:** RNA purification strip(s)
Package format	**Module A:** Clear 96-well plate in molded plate carrier with cover, 8-well purification strip, and recovery plate **Module G:** Full-skirt 96-well reagent plate **Module F:** RNA purification strip(s)  Module A  Module G  Module F
Quantity	**8-reaction size:** 1–8 reactions **16-reaction size:** 1–16 reactions
Shelf life	2 months from date of manufacture
Storage conditions	**Modules A and F:** +4 °C **Module G:** −80 °C
Shipping conditions	**Modules A and F:** Ice pack **Module G:** Dry ice
Intended use	Research use only

Specifications are subject to change.

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