

## GeneRead™ Globin mRNA Depletion Probes

GeneRead Globin mRNA Depletion Probes (cat. no. 180950) are designed for use with either the GeneRead rRNA Depletion Kit (cat. no. 180211) or the GeneRead rRNA Depletion Nano Kit (cat. no. 180224). The product is shipped on ice. Upon receipt, store at 2–8°C. When stored under these conditions and handled correctly, the product can be kept for up to 12 months without showing any reduction in performance.

### Further information

- *GeneRead rRNA Depletion Handbook*: [www.qiagen.com/handbooks](http://www.qiagen.com/handbooks)
- Safety Data Sheets: [www.qiagen.com/safety](http://www.qiagen.com/safety)
- Technical assistance: toll-free 00800-22-44-6000, or [www.qiagen.com/contact](http://www.qiagen.com/contact)

### Notes before starting

- This protocol is for use with GeneRead Globin mRNA Depletion Probes for the depletion of globin mRNA in addition to rRNA from total RNA isolated from human whole blood. GeneRead Globin mRNA Depletion Probes are to be used in combination with either the GeneRead rRNA Depletion Kit or the GeneRead rRNA Depletion Nano Kit. For the full protocol, please refer to the respective Quick-Start Protocol, or the detailed protocol in the *GeneRead rRNA Depletion Handbook*.
1. In step 2 of the rRNA depletion protocol, adjust the composition of the GeneRead rRNA depletion mix according to Table 1 (if using the GeneRead rRNA Depletion Kit) or Table 2 (if using the GeneRead rRNA Depletion Nano Kit) on the next page.
  2. Perform the rest of the protocol as described in the respective Quick-Start Protocol or in the *GeneRead rRNA Depletion Handbook*.

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**Table 1. Composition of the GeneRead rRNA depletion mix (if using the GeneRead rRNA Depletion Kit)**

Component	Volume/reaction (1–5 µg RNA)
Hybridization Buffer	10 µl
Purified total RNA	1–5 µg in 1–50 µl
HMR rRNA Depletion Probes	10 µl
<b>GeneRead Globin mRNA Depletion Probes</b>	<b>2 µl</b>
Antibody Solution	20 µl
RNase Inhibitor	1 µl
RNase-Free Water	Variable
<b>Total volume per reaction</b>	<b>100 µl</b>

**Table 2. Composition of the GeneRead rRNA depletion mix (if using the GeneRead rRNA Depletion Nano Kit)**

Component	Volume/reaction (<500 ng RNA)	Volume/reaction (0.5–1 µg RNA)
Hybridization Buffer	5 µl	5 µl
Purified total RNA	100 ng to <500 ng in 1–30 µl	0.5–1 µg in 1–30 µl
HMR rRNA Depletion Probes	5 µl	5 µl
<b>GeneRead Globin mRNA Depletion Probes</b>	<b>1 µl</b>	<b>1 µl</b>
Antibody Solution	3 µl	5 µl
RNase Inhibitor	1 µl	1 µl
RNase-Free Water	Variable	Variable
<b>Total volume per reaction</b>	<b>50 µl</b>	<b>50 µl</b>



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For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual.

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